

C语言_小学生计算机辅助教学系统CAI系统——实验6任务6

原创

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订阅专栏

苏小红C语言程序设计学习——实验6任务6

1. 学习程序首先产生两个1—10之间的正整数, 在屏幕上打印出问题。
2. 连续做10道加、减、乘、除题, 正确或错误都相应地给出随机评价! 通过人机对话, 吸引学生注意力。
3. 做完10题后, 如果正确率大于70%, 则结束训练, 否则再来一组, 直到正确率大于70%为止。

解题: 该题目我用了根据时间来产生随机数, 直接看这个可能有点难, 从任务1开始, 往下做, 可能就比较简单了!

留给小学生去练加减乘除吧! 哈哈

```
#include <stdio.h>
#include <time.h>
#include <math.h>

int main ()
{
    int m,n,x,z,j,k,in,sign,count = 0;
    char c;
    BEGIN:
    for(int i =0;i<10;i++){
        srand(time(NULL)); //根据时间设置随机数种子
        m = rand() % 10 +1; //产生1~10之间的随机数字
        n = rand() % 10 +1;
        x = rand() % 4 + 1; //产生1~4之间的随机数字
        j = rand() % 4 + 1;
        k = rand() % 4 + 1;
        switch(x){
            case 1:
                c = '*';
                z = m * n;
                break;
            case 2:
                c = '/';
                z = m / n;
                break;
            case 3:
                c = '+';
                z = m + n;
                break;
```

```

case 4:
    c = '-';
    z = m - n;
    break;
}
printf("%d %c %d = ",m,c,n);
scanf("%d",&in);
if(in == z){
    switch(j){
        case 1:
            printf("Very good!\n");
            break;
        case 2:
            printf("Excellent!\n");
            break;
        case 3:
            printf("Nice work!\n");
            break;
        case 4:
            printf("Keep up the good work!\n");
            break;
    }
    sign = 1;
    count++;
}
else
{
    switch(k){
        case 1:
            printf("No.Please try again.\n");
            break;
        case 2:
            printf("Wrong.Try once more.\n");
            break;
        case 3:
            printf("Don't give up!\n");
            break;
        case 4:
            printf("Not correct.Keep trying.\n");
            break;
    }
    sign = 0;
}
}
if(count>7)
    printf("分数: %2d 正确率: %d%% 结束训练! \n",count*10,count*10);
else
{
    printf("分数: %2d 正确率: %d%%\n 请再做一组额! \n",count*10,count*10);
    count = 0;
    goto BEGIN;
}
return 0;
}

```

F:\C\chapter three\test.exe

8 - 2 = 1

Don't give up!

2 + 9 = 11

Nice work!

8 + 5 = 13

Keep up the good work!

1 - 1 = 0

Very good!

8 - 9 = -1

Keep up the good work!

4 * 6 = 24

Nice work!

4 * 3 = 15

Not correct.Keep trying.

4 / 1 = 15

Not correct.Keep trying.

4 / 8 = 5

Not correct.Keep trying.

7 + 8 = 5

Wrong.Try once more.

分数: 50 正确率: 50%

请再做一组题!

10 + 7 = 17

Nice work!

6 * 5 = 3

No.Please try again.

9 * 3 =

27

Very good!

5 / 7 = 0

Very good! https://blog.csdn.net/weixin_43461755