## **Introductory Programming UESTC1005**

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You will need to complete the demonstration of this week lab and submit this report into BB (it will be added into your portfolio of work).

## Exercise 8: for Loops

Task\_A: Follow the instructions in Week 10 Lab manual and past your screen short of your result here.



Task\_B: Please attach your source code here.

```
#define _CRT_SECURE_NO_WARNINGS
#include<stdio.h>
 include <stdlo.n>
nt horizontal(int x);
nt without(int y);
nt with(int z);
nt drawRoom(int a,int b, int c, int d);
nt horizontal(int a) {
                 tal(int a) {
    int x;
    printf("+");
    for (x=0; x<a; x++) {
        printf("-");
    }
                   printf("+\n");
    without(int a) {
                 printf("I\n");
of with(int c,int a) {
    int z;
    printf("|");
    for (z = 0; z <c; z++) {
        printf(".");
    }
                  }
printf("@");
for (z = c; z <a-1; z++) {
printf(".");
                   printf("I\n");
   t drawRoom(int a, int b, int c, int d) {
                    {horizontal(a);
                   }
for (i= 0; i <d; i++) {
    without(a);
                                        with(c, a);
                   }
for (i = d+1; i <b; i++) {
                                        without(a);
                   }
{horizontal(a);
  nt main() {
                   drawRoom(2, 2, 0, 1);
drawRoom(5, 3, 1, 2);
drawRoom(14, 8, 8, 5);
                    getchar();
```

## **Exercise 9: Arrays**

Task\_A: Follow the instructions in Week 10 Lab manual and past your screen short of your result here.

```
■ 选择C:\Users\zlc\source\repos\11.7(2)\Debug\11.7(2).exe
                                                                                                                                                                                           ■ 选择C:\Users\zlc\source\repos\11.7(2)\Debug\11.7(2).exe
                                                                                                                                                                                           2584
4181
when n=20, it is 4181
0
1
1
2
3
5
8
13
21
34
55
89
144
233
377
610
987
1597
2584
4181
6765
10946
17711
28657
46368
75025
```

```
■ 选择C\Users\zlc\source\repos\11.7 (2) \Debug\11.7 (2) .exe

28657
46368
75025
121393
196418
317811
514229
832040
1346269
2178309
3524578
5702887
9227465
14930352
24157817
39088169
63245986
102334155
165580141
267914296
433494437
701408733
1134903170
1836311903
-1323752223
512559680
-811192543
when n=50, it is -811192543
```

## Task\_B: Please attach your source code here.