

Pattern2

Write a C program that reads in a positive number on height between 1 and 9, and prints a pattern according to height. For example, if the height is 9, then the following pattern will be printed. There is no need to check user input errors in your program.

```
1
232
34543
4567654
567898765
67890109876
7890123210987
890123454321098
90123456765432109
```

A sample program template is given below:

```
#include <stdio.h>
int main()
{
    /* Write your code here */
    return 0;
}
```

Sample input and output sessions are given below:

(1) Test Case 1:

Enter the height:

5

The pattern is:

```
1
232
34543
4567654
567898765
```

(2) Test Case 2:

Enter the height:

8

The pattern is:

```
1
232
34543
4567654
567898765
67890109876
7890123210987
890123454321098
```