

Pattern6

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.

```
*****=
*****==
*****===
*****====
*****=====
*****=====
*****=====
*****=====
*****=====
*****=====
```

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:

```
*****=
*****==
*****===
*****====
*****=====
```

(2) Test Case 2:

Enter the height:

8

The pattern is:

```
*****=
*****==
*****===
*****====
*****=====
*****=====
*****=====
*****=====
*****=====
```

(3) Test Case 3:

Enter the height:

1

The pattern is:

```
#include <stdio.h>
int main()
{
    int height;
    int i,count,j;

    printf("Enter the height:\n");
    scanf("%d",&height);
    printf("The pattern is:\n");

    for(i=0;i<height;i++)
    {
        count = height-1 -i;
        while(count>0)
        {
            printf("*");
            count--;
        }
        j=i+1;
        while(j!=0)
        {
            printf("=");
            j--;
        }
        printf("\n");
    }
    return 0;
}
```

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