Pattern5

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

```
=+=
                                            #include <stdio.h>
           +=+=+
                                            int main()
          =+=+=+=
        +=+=+=+
                                              int num, height, i, count;
       =+=+=+=+=
      +=+=+=+=+
                                              printf("Enter the height:\n");
     =+=+=+=+=+=
                                              scanf("%d",&height);
   +=+=+=+=+=+=+
                                              printf("The pattern is:\n");
A sample program template is given below:
                                              for(i=0;i<height;i++)</pre>
                                                count = height-1-i;
   #include <stdio.h>
   int main()
                                                while(count!=0)
   {
       /* Write your code here */
                                                  printf(" ");
      return 0;
                                                  count--;
                                                num = (i+1)*2 -1;
                                                while(num!=0)
Sample input and output sessions are given below:
(1) Test Case 1:
                                                  if((i+1)\%2==1)
   Enter the height:
                                                     if(num%2==1)
   The pattern is:
        +
                                                       printf("+");
       =+=
                                                       num--;
      +=+=+
    =+=+=+=
                                                     else if(num%2==0)
   +=+=+=+
                                                       printf("=");
(2) Test Case 2:
                                                       num--;
   Enter the height:
                                                  if((i+1)\%2==0)
   The pattern is:
                                                     if(num%2==1)
          +=+=+
                                                       printf("=");
        =+=+=+=
                                                       num--;
       +=+=+=+
      =+=+=+=+=
                                                     else if(num%2==0)
     +=+=+=+=+
   =+=+=+=+=+=+=
                                                       printf("+");
                                                       num--;
                                                  }
                                             return 0;
```