

Started on Friday, 13 May 2022, 8:06 PM

State Finished

Completed on Friday, 13 May 2022, 8:56 PM

Time taken 50 mins 2 secs

Marks 10.00/10.00

Grade **5.00** out of 5.00 (**100%**)

Question 1

Correct

Mark 2.00 out of 2.00

Write a C program to print the given triangular pattern using loop.

EXAMPLE :

INPUT:

5

OUTPUT :

\$\$\$\$\$

\$\$\$\$

\$\$\$

\$\$

\$

Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
2 int main()
3 {
4     int i,j,row;
5     scanf("%d",&row);
6     for(i=row;i>=1;--i)
7     {
8         for(j=1;j<=i;++j)
9         {
10            printf("$");
11        }
12        printf("\n");
13    }
14 }
15 }
```

	Input	Expected	Got	
✓	5	\$\$\$\$\$ \$\$\$\$ \$\$\$ \$\$ \$	\$\$\$\$\$ \$\$\$\$ \$\$\$ \$\$ \$	✓
✓	6	\$\$\$\$\$\$ \$\$\$\$\$\$ \$\$\$\$\$ \$\$\$\$ \$\$\$ \$\$ \$	\$\$\$\$\$\$ \$\$\$\$\$\$ \$\$\$\$\$ \$\$\$\$ \$\$\$ \$\$ \$	✓

Passed all tests! ✓

Correct

Marks for this submission: 2.00/2.00.

Question 2

Correct

Mark 2.00 out of 2.00

Write a C program to print hollow square pattern series using for loop

Example**Input****Output**

```
#####
#   #
#   #
#   #
#####
```

Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
2 int main()
3 {
4     int i,j,row;
5     scanf("%d",&row);
6     for(i=0;i<row;i++)
7     {
8         for(j=0;j<row;j++)
9         {
10            if(i==0 || i==row-1 || j==0 || j==row-1)
11            {
12                printf("#");
13            }
14            else
15            {
16                printf(" ");
17            }
18        }
19        printf("\n");
20    }
21 }
```

	Input	Expected	Got	
✓	5	##### # # # # # # #####	##### # # # # # # #####	✓
✓	6	##### # # # # # # # # #####	##### # # # # # # # # #####	✓

Passed all tests! ✓

Correct

Marks for this submission: 2.00/2.00.

Question 3

Correct

Mark 2.00 out of 2.00

Write a C program to print Hollow rectangular pattern series:

Input:

5

8

OUTPUT :

```
#####
```

```
#      #
```

```
#      #
```

```
#      #
```

```
#####
```

Answer: (penalty regime: 0 %)

```
1 #include <stdio.h>
2 int main()
3 {
4     int i, j, rows, columns;
5     scanf("%d", &rows);
6     scanf("%d", &columns);
7
8     for(i = 0; i < rows; i++)
9     {
10         for(j = 0; j < columns; j++)
11         {
12             if(i == 0 || i == rows-1 || j == 0 || j == columns-1)
13             {
14                 printf("#");
15             }
16             else
17             {
18                 printf(" ");
19             }
20         }
21         printf("\n");
22     }
```

	Input	Expected	Got	
✓	5 8	##### # # # # # # #####	##### # # # # # # #####	✓
✓	4 5	##### # # # # #####	##### # # # # #####	✓

Passed all tests! ✓

Correct

Marks for this submission: 2.00/2.00.

Question 4

Correct

Mark 2.00 out of 2.00

Write a C program for the following pattern:

```

1
2 2
3 3
4 4
3 3
2 2
1

```

Answer: (penalty regime: 0 %)

```

1 #include<stdio.h>
2 int main()
3 {
4     int i,j;
5     for(i=1;i<=4;i++)
6     {
7         for(j=4;j>=(i-1)*2-1;j--)
8             printf(" ");
9         printf("%d",i);
10        for(j=2;j<=(i-1)*4;j++)
11            printf(" ");
12        if(i>1)
13            printf("%d",i);
14        printf("\n");
15    }
16    for(i=3;i>=1;i--)
17    {
18        for(j=4;j>=(i-1)*2-1;j--)
19            printf(" ");
20        printf("%d",i);
21        for(j=2;j<=(i-1)*4;j++)
22            printf(" ");

```

	Expected	Got	
✓	<pre> 1 2 2 3 3 4 4 3 3 2 2 1 </pre>	<pre> 1 2 2 3 3 4 4 3 3 2 2 1 </pre>	✓

Passed all tests! ✓

Correct

Marks for this submission: 2.00/2.00.

Question 5

Correct

Mark 2.00 out of 2.00

Write a C program to print equilateral triangle or pyramid star pattern

input :

4

output:

```
+  
+++  
+++++  
+++++++
```

Answer: (penalty regime: 0 %)

```
1 #include <stdio.h>  
2 int main()  
3 {  
4     int i,j,row;  
5     scanf("%d",&row);  
6     for (i=1;i<=row;i++)  
7     {  
8         for (j=i;j<=row;j++)  
9         {  
10            printf(" ");  
11        }  
12        for (j=1;j<=(2*i-1);j++)  
13        {  
14            printf("+");  
15        }  
16        printf("\n");  
17    }  
18 }
```

	Input	Expected	Got	
✓	4	+ +++ +++++ +++++++	+ +++ +++++ +++++++	✓
✓	5	+ +++ +++++ +++++++ +++++++	+ +++ +++++ +++++++ +++++++	✓

Passed all tests! ✓

Correct

Marks for this submission: 2.00/2.00.

◀ S1-M1-Q2-A-01

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M2-D2-Nested Loops-Automata Coding - Weekly Challenge-SEB ▶