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Started on Tuesday, 3 May 2022, 7:43 PM

State Finished

Completed on Sunday, 8 May 2022, 10:11 AM

Time taken 4 days 14 hours

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 n,i,j;
5     scanf("%d",&n);
6     for(i=n;i>=1;i--)
7     {
8         for(j=i;j>=1;j--)
9         {
10             printf("#");
11         }
12         printf("\n");
13     }
14
15
16 }
```





| | 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**5****Output**

99999

9 9

9 9

9 9

99999

Answer: (penalty regime: 0 %)

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



✓

| | Input | Expected | Got | |
|---|-------|--|--|---|
| ✓ | 5 | 99999 9 9 9 9 9 9 99999 | 99999 9 9 9 9 9 9 99999 | ✓ |
| ✓ | 6 | 999999 9 9 9 9 9 9 9 9 999999 | 999999 9 9 9 9 9 9 9 9 999999 | ✓ |

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,n,j,k,m;
5      scanf("%d %d",&n,&m);
6      for(i=1;i<=n;i++)
7      {
8          if ((i==1) || (i==n))
9          {
10             for(j=1;j<=m;j++)
11                 printf("#");
12             }
13             else
14                 for(j=1;j<=2;j++)
15                 {
16                     printf("#");
17                     for(k=1;k<m-1;k++)
18                         printf(" ");
19                 }
```



```

19         }
20         printf("\n");
21     }
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
3 3
2 2
1
```

Answer: (penalty regime: 0 %)

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



| | Expected | Got | |
|---|------------------------------------|------------------------------------|---|
| ✓ | 1 2 2 3 3 3 3 2 2 1 | 1 2 2 3 3 3 3 2 2 1 | ✓ |

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=0, s, lines;
5      scanf("%d",&lines);
6      for(i=1; i<=lines; ++i, j=0)
7      {
8          for(s=1; s<=lines-i; ++s)
9          {
10             printf(" ");
11          }
12          while(j != 2*i-1)
13          {
14             printf("$");
15             ++j;
16          }
17          printf("\n");
18      }
19
20 }
```





| | Input | Expected | Got | |
|---|-------|--|--|---|
| ✓ | 4 | \$ \$\$\$ \$\$\$\$\$ \$\$\$\$\$\$ | \$ \$\$\$ \$\$\$\$\$ \$\$\$\$\$\$ | ✓ |

Passed all tests! ✓

Correct

Marks for this submission: 2.00/2.00.

◀ S1-M1-Q2-A-01

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