Test Summary

- No. of Sections: 2
- No. of Questions: 3
- Total Duration: 45 min

Section 1 - Coding Proficiency

Section Summary

- No. of Questions: 2
- Duration: 30 min

Additional Instructions:

None

Q1. Pattern - Star Pyramid

C program to print following pyramid pattern of stars n=5

* * * *

* * * * * *

* * * * * * * *

Input Format

Input contains n

Output Format

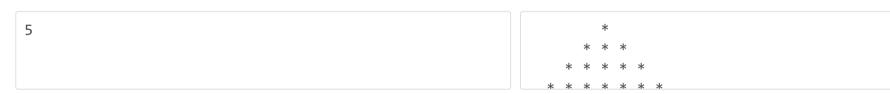
Print the pattern

Constraints

1 <= n <= 20

Sample Input

Sample Output



Time Limit: - ms Memory Limit: - kb Code Size: - kb

Q2. **Pascal triangle**

Write a c program to print Pascal triangle n =8

```
1
1 1
1 2 1
1 3 3 1
1 4 6 4 1
1 5 10 10 5 1
1 6 15 20 15 6 1
1 7 21 35 35 21 7 1
```

Input Format

Input is n

Output Format

Print the pattern

Constraints

5

1 <= n <= 50

Sample Input Sample Output

1 1 1 Time Limit: - ms Memory Limit: - kb Code Size: - kb

Section 2 - Essay Writing

Section Summary

• No. of Questions: 1

• Duration: 15 min

Additional Instructions:

None

Q1. **Essay Writing**

If you want to develop your community what one thing you will do. why explain with reason

Directions

Write an essay for the given topic

Keywords



Test Case

Input	Output
4	* * * * * * * * * * * * *
Weightage - 5	
Input	Output
3	* * * * * * * *
Weightage - 5	
Input	Output
6	*
Weightage - 10	
Input	Output
8	* * * * * * * * * * * * * * * * * * *
Weightage - 10	
Input	Output
10	*
Weightage - 10	
Input	Output
12	* * * * * * * *
Weightage - 10	
Input	Output
15	*

Input Output

Weightage - 10

Input Output

```
*

* * * *

* * * * *
```

Weightage - 10

Input Output

```
*

* * * *

* * * *
```

Weightage - 10

Input Output

Weightage - 10

Sample Input Sample Output

```
*
    * * *
    * * * *
```

Solution

```
#include<stdio.h>
int main()
{
    int row, ctr, star = 1,n;
    scanf("%d",&n);
    for(row = n - 1; row >=0; row--, star+=2, printf("\n"))
    {
        for(ctr = 1; ctr <= row * 2; ctr++)
            printf(" ");
        for(ctr = 1; ctr < star; ctr++)
            printf("* ");
        printf("*");
    }
    return 0;
}</pre>
```

```
int main()
   {
       int row, ctr, star = 1,n;
       scanf("%d",&n);
       for(row = n - 1; row >=0; row--, star+=2, printf("\n"))
           for(ctr = 1 ; ctr <= row * 2 ; ctr++)
               printf(" ");
           for(ctr = 1 ; ctr < star ; ctr++)</pre>
               printf("* ");
           printf("*");
       }
       return 0;
   }
Test Case
Input
                                                        Output
  2
                                                            1
                                                           1 1
Weightage - 5
                                                        Output
Input
  8
                                                                     1
                                                                    1 1
                                                                  1 2 1
Weightage - 10
Input
                                                        Output
  4
                                                               1
                                                              1 1
                                                            1 2 1
Weightage - 5
                                                        Output
Input
  7
                                                                    1
                                                                  1 1
                                                                 1 2 1
Weightage - 10
Input
                                                        Output
  9
                                                                      1
                                                                     1 1
                                                                    1 2 1
```

2 2 1

#include<stdio.h>

Q2

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Solution

```
#include<stdio.h>
long fact(int);
int main(){
    int line,i,j;
    scanf("%d",&line);
    for(i=0;i<line;i++){</pre>
         for(j=0;j<line-i-1;j++)</pre>
             printf(" ");
         for(j=0;j<i;j++)
             printf("%ld ",fact(i)/(fact(j)*fact(i-j)));
         printf("%ld",fact(i)/(fact(j)*fact(i-j)));
         printf("\n");
    }
    return 0;
}
long fact(int num){
    long f=1;
    int i=1;
    while(i<=num){</pre>
         f=f*i;
         i++;
  }
  return f;
#include<stdio.h>
long fact(int);
int main(){
    int line,i,j;
    scanf("%d",&line);
    for(i=0;i<line;i++){</pre>
         for(j=0;j<line-i-1;j++)</pre>
             printf(" ");
         for(j=0;j<=i;j++)
             printf("%ld ",fact(i)/(fact(j)*fact(i-j)));
         printf("\n");
    return 0;
}
long fact(int num){
    long f=1;
    int i=1;
    while(i<=num){</pre>
         f=f*i;
         i++;
  }
  return f;
 }
```

Q1

Sample Essay

No Essay

Keywords

develop, community, unity, education, social,

