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

Write a 'C' program to print the pattern. For n=5
1
3*2
4*5*6
10*9*8*7

Input Format

Input represent the value n

11*12*13*14*15

Output Format

Print the pattern

Constraints

1 <= n <= 100

Sample Input

4

Sample Input

4*5*6 10*0*0*7 Sample Output

Sample Output

1 3*2

1 3*2 4*5*6

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

Q2. **Pattern**

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Pattern Question:- For n=5
1
2 2
3 3 3
4 4 4 4
5 5 5 5 5
4 4 4 4
3 3 3

Input Format

Input contains n

Output Format

Print the pattern

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v	u		-3	L.I	10			LO

1 <= n <= 50

Sample Input Sample Output

4	1
	2 2
	3 3 3

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

Section 2 - Essay Writing

Section Summary

No. of Questions: 1Duration: 15 min

Additional Instructions:

None

Q1. **Essay Writing**

A person you know is planning to move to your town or city. what do u think this person would like and dislike about living in your town or city? why? Use specific reasons and details

Directions

Write an essay for the given topic with specific reasons and details

Keywords

Test Case

Test Case	
Input	Output
10	1 3*2 4*5*6 10*0*9*7
Weightage - 10	
Input	Output
15	1 3*2 4*5*6
Weightage - 10	
Input	Output
6	1 3*2 4*5*6
Weightage - 10	
Input	Output
20	1 3*2 4*5*6
Weightage - 10	
Input	Output
23	1 3*2 4*5*6
Weightage - 10	
Input	Output
25	1 3*2 4*5*6
Weightage - 10	
Input	Output
50	1 3*2 4*5*6

Input

```
1
3*2
4*5*6
10*0*8*7
```

Output

Weightage - 10

Input Output

```
1
3*2
4*5*6
10*0*9*7
```

Weightage - 10

Input Output

```
1
3*2
4*5*6
```

Weightage - 10

Sample Input Sample Output

```
1
3*2
4*5*6
10*0*8*7
```

Sample Input Sample Output

```
1
3*2
4*5*6
```

Solution

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

```
printf("%d*",start--);
                                                                       printf("%d*",start--);
          }
                                                            }
         // printf("\b ");
                                                            // printf("\b ");
                                                         }//outer
      }//outer
      return 0;
                                                         return 0;
   }
Test Case
Input
                                                      Output
  6
                                                         1
                                                         2 2
                                                         3 3 3
                                                        1 1 1 1
Weightage - 5
                                                      Output
Input
  10
                                                         1
                                                         2 2
                                                         3 3 3
                                                        1 1 1 1
Weightage - 5
Input
                                                      Output
  15
                                                         1
                                                         2 2
                                                         3 3 3
                                                        1 1 1 1
Weightage - 10
Input
                                                      Output
  20
                                                         1
                                                         2 2
                                                         3 3 3
Weightage - 10
Input
                                                      Output
  27
                                                         1
                                                         2 2
                                                         3 3 3
Weightage - 10
                                                      Output
Input
  32
                                                         1
```

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if(col == row)

printf("%d",start--);

if(col == row)

Q2

printf("%d",start--);

```
Weightage - 10
```

Input Output

```
    1

    2

    3

    3

    3
```

Weightage - 10

Input Output

```
1
2 2
3 3 3
```

Weightage - 10

Input Output

```
    50

    1

    2
    2

    3
    3
```

Weightage - 10

Input Output

```
    53

    1

    2
    2

    3
    3
```

Weightage - 10

Input Output

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

Weightage - 10

Sample Input Sample Output

```
1
2 2
3 3 3
```

Solution

```
#include<stdio.h>
int main()
{
    int inp,col,row;
    scanf("%d",&inp);
    for(row = 1; row <= inp ; row++,printf("\n"))
    {
       for(col = 1; col<=row ; col++)
       printf("%d ",row);</pre>
```

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

Section 2 - Essay Writing

Q1 Sample Essay

No Essay

Keywords

city, town, like, dislike, reason, living,