PLACEMENTS KEY'S

Coding Challenge #1

Day - 1

Ranjan wants to develop an application which prints the following pattern based on the required size. Ranjan got struck while building the logic and somewhere he missed the code. So, help him in order to print the required pattern as shown below.

Input format:

The first line contains the two integers "m" and "n".

Output format:

Pattern of required size.

Sample input 0:

3 4

Sample output 0:

```
  *
 *3*
*44*
*555*
*6666*
*555*
*44*
 *3*
  *
```

Explanation:

The pattern should start and end with same number as mentioned as "m". Where size of the pattern depends on value of "n".

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Coding Challenge #1

Day - 1

Sample input 1:

10 10

Sample output 2:

```
  *
 *10*
*1111*
*121212*
*13131313*
*1414141414*
*151515151515*
*16161616161616*
*1717171717171717*
*181818181818181818*
*19191919191919191919*
*181818181818181818*
*1717171717171717*
*16161616161616*
*151515151515*
*1414141414*
*13131313*
*121212*
*1111*
*10*
 *
```

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Coding Challenge #1

Day - 1

Complete the code in the below Pattern_print() function:

```
#include<stdio.h>
int Pattern_print(int start,int size);
int Pattern_print(int start,int size)
{
        /*Complete the code*/
}
int main()
{
        int m,n,count;
        printf("Enter the size of m and n: "); //enter m and n
        scanf("%d %d",&m,&n);
        Pattern_print(m,n);  //the function calls is here
}
```

PLACEMENTS KEY'S

Coding Challenge #2

Day - 1

Given an array, of size, reverse it.

Example: If array = [1,2,3,4,5], after reversing it, array = [5,4,3,2,1].

Input Format:

The first line contains an integer "size", denoting the size of the array. The next line contains n(=size) space-separated integers denoting the elements of the array.

Constraints:

1 ≤n ≤ 1000

I ≤ arr_{ith} ≤1000, where is the arr_{ith} element of the array.

Output Format:

The output should contain the reverse array of the given array.

Sample Input 0:

6

16 13 7 2 1 12

Sample Output 0:

12 1 2 7 13 16

Explanation 0:

Given array = [16,13,7,2,1,12]. After reversing the array = [12,1,2,7,13,16]

PLACEMENTS KEY'S

Coding Challenge #2

Day - 1

Sample Input 1:

7

1 13 15 20 12 13 2

Sample Output 1:

2 13 12 20 15 13 1

Sample Input 2:

8

15 5 16 15 17 11 5 11

Sample Output 2:

11 5 11 17 15 16 5 15

PLACEMENTS KEY'S

Coding Challenge #2

Day - 1

Complete the logic in below Reverse_array function():

```
#include<stdio.h>
int Reverse_array(int size,int arr[]);
int Reverse_array(int size,int arr[])  //the function start here
{
        /*complete the code*/
}
int main()                    //main()
{
int arr[1000],size;
printf("Enter the size: ");
scanf("%d",&size);            //enter the size of array
for(int i=0;i<size;i++)
 scanf("%d",&arr[i]);         //enter the numbers into array
Reverse_array(size,&arr[0]);   //the function call is here
for(int i=0;i<size;i++)        //After reversing the array
 printf("%d ",arr[i]);         //Array gets printed
}
```