Aim:

Fazil loves to perform different operations on arrays, and so being the Head of the higher education institution, he assigned a task to his new student Bazil.

Bazil will be provided with an integer array A of size N and an integer K, where she needs to rotate the array in the right direction by K steps and then print the resultant array.

As she is new to the school, please help her to complete the given task.

Input Format:

- The first line consists of two integers N and K, N being the number of elements in the array and K denotes the number of steps of rotation.
- The next line consists of N space separated integers , denoting the elements of the array A.

Output Format:

- Print the array after rotation in the single line.

Constraints:

- $1 \leq N \leq 10^5$
- $0 \leq K \leq 10^6$
- $0 \leq A[i] \leq 10^9$

Sample test case:

```
5 2
21 96 85 74 32
74 32 21 96 85
```

Brief explanation:

N = 5 and K = 2, So when we rotate the 5 elements of the array i.e. $21\ 96\ 85\ 74\ 32$ by given value 2 in right direction, the resultant array will be $74\ 32\ 21\ 96\ 85$..

Instruction: To run your custom test cases strictly map your input and output layout with the visible test cases.

Source Code:

arrayRotation.c

```
#include<stdio.h>
void r(int arr[],int n,int k)
{
   k%=n;
   for(int i=0;i<k;i++)
      {
         int temp=arr[n-1];
         for(int j=n-1;j>0;j--)
            {
               arr[j]=arr[j-1];
            }
```

```
        arr[0]=temp;
      }
}
int main()
{
   int n,k;
   scanf("%d %d",&n,&k);
   int arr[n];
   for(int i=0;i<n;i++)
      {
         scanf("%d",&arr[i]);
      }
   r(arr,n,k);
   for(int i=0;i<n;i++)
      {
         printf("%d ",arr[i]);
      }
   printf("\n");
}
```

Execution Results - All test cases have succeeded!

Test Case - 1
User Output
5 2
21 96 85 74 32
74 32 21 96 85

Test Case - 2
User Output
10 4
52 14 69 32 84 75 91 11 21 25
91 11 21 25 52 14 69 32 84 75

Test Case - 3
User Output
7 8
145 84 79 658 2 365 54
54 145 84 79 658 2 365