**Write a C Program to rotate an array by K positions.**

#include <stdio.h>

#include <stdlib.h>

int main()

{

int n,a[50],i,k,j,l,m,o;

printf("Enter The Number Of Elements:\n");

scanf("%d",&n);

printf("Enter The Array Elements:\n");

for(i=0;i<n;i++)

{

scanf("%d",&a[i]);

}

printf("The Initial Array:\n");

for(o=0;o<n;o++)

{

printf("%d\t",a[o]);

}

printf("\n");

printf("Enter The Number Of Rotations:\n");

scanf("%d",&k);

for(j=0;j<k;j++)

{

int t=a[n-1];

for(l=n-2;l>=0;l--)

{

a[l+1]=a[l];

}

a[0]=t;

printf("After %d Rotations:",j+1);

for(m=0;m<n;m++)

{

printf("%d\t",a[m]);

}

printf("\n");

}

return 0;

}

**Output:**

