**DAY 3 ASSIGNMENT**

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**Write the program for deleting an element from the beginning and from any position.**

#include<iostream>

using namespace std;

int main()

{

int i,a[5],no,pos;

cout<<"Enter Data in Array: ";

for(i=0;i<5;i++)

{

cin>>a[i];

}

cout<<"\n\nStored Data in Array: ";

for(i=0;i<5;i++)

{

cout<<a[i];

}

cout<<"\n\nEnter poss. of Element to Delete: ";

cin>>pos;

if(pos>5)

{

cout<<"\n\nThis value is out of range: ";

}

else

{

--pos;

for(i=pos;i<=4;i++)

{

a[i]=a[i+1];

}

cout<<"\n\nNew Data in Array: ";

for(i=0;i<4;i++)

{

cout<<a[i];

}

}

}

**Write the program for printing the array after rotating it k times towards left, where k would be taken as user input.**

#include <stdio.h>

// Function to left rotate an array by one position

void leftRotateByOne(int arr[], int n)

{

int first = arr[0];

for (int i = 0; i < n - 1; i++)

arr[i] = arr[i + 1];

arr[n-1] = first;

}

void leftRotate(int arr[], int r, int n)

{

for (int i = 0; i < r; i++)

leftRotateByOne(arr, n);

}

int main(void)

{

int n;

scanf("%d",&n);

int arr[n] ;

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

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

}

int r ;

scanf("%d",&r);

leftRotate(arr, r, n);

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

printf("%d ", arr[i]);

return 0;

}