Problem Statement:

Write a C program to rotate n array by N positions.

```c
#include<stdio.h>

using namespace std;

int main()

{

int arr[]={1,2,3,4,5,6,7,8,9,10};

int i,N,len,j;

N=3;

len=10;

int temp=0;

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

{

int x=arr[0];

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

{

temp=arr[j];

arr[j]=arr[j+1];

arr[j+1]=temp;

}

arr[len-1]=x;

}

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

{

printf("array is:",arr[i]);

}

}
```