DSA assignment Day-2

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

***Answer***

#include <stdio.h>

int delete\_beg(int arr[],int n)

{

int i;

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

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

return --n;

}

int delete\_end(int arr[],int n,int k)

{

int i;

for(i = k-1; i<n-1;i++)

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

return --n;

}

int main() {

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

int i,n = 7,k=3;

printf("Orginal array ");

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

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

printf("\n");

n = delete\_beg(arr,n);

printf("after deleting first element ");

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

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

printf("\n");

n = delete\_end(arr,n,k);

printf("after deleting third element ");

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

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

return 0;

}

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

***Answer***

#include <stdio.h>

int main() {

int k,i,j,temp,n=7;

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

scanf("%d",&k);

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

{

temp = arr[0];

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

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

arr[n-1]=temp;

}

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

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

return 0;

}