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;
}
```