DAY 2

Question 1

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

/\* Deleting from Beginning \*/

/\* transfering the value of [i+1]th element to [i]th element \*/

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

{

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

}

n--;

|  |  |
| --- | --- |
|  | #include<stdio.h>    void main()  {      int a[100],i,n,pos;        printf("\nEnter no of elements\n");      scanf("%d",&n);        printf("Enter the elements\n");      for (i=0;i<n;i++)      {          scanf("%d",&a[i]);      }        printf("Elements of array are\n");      for(i=0;i<n;i++)      {          printf("a[%d] = %d\n",i,a[i]);      }        printf("Enter the position from which the number has to be deleted\n");      scanf("%d",&pos);      for(i=pos;i<n-1;i++)      {          a[i]=a[i+1];      }      n=n-1;      printf("\nOn Deletion, new array we get is\n");      for(i=0;i<n;i++)      {          printf("a[%d] = %d\n",i,a[i]);      }  } |

Question 2

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

void rotateLeft(int arr[], int n, int k)

{

int i=0;

while(i<k)

{

int j, temp = arr[0];

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

{

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

}

arr[j] = temp;

i++;

}

}