**Assignment** **DAY-2**

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

int main()

{

int array[100] ,i, n;

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

array[i]= array[i+1]

n--;

}}

1. from any position 'k':

int array[100], k, i

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

{array[i] = array[i+1]

n--;

}

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

int main()

{

int i, k;

int arr[S];

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

{

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

}

printf("Enter number of times to left rotate: ");

scanf("%d", &k);

k = k% S;

/\* Rotate array n times \*/

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

{

rotateByOne(arr);

}

printArray(arr);

return 0;

}

void rotateByOne(int arr[])

{

int i, first;

/\* Store first element of array \*/

first = arr[0];

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

{

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

}

/\* Copies the first element of array to last \*/

arr[S-1] = first;

}

void printArray(int arr[])

{

int i;

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

{

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

}

}