**TERM WORK 2:**

Algorithm for Sequential search algorithm for some search key k.

#include <stdio.h>

#include <stdlib.h>

int main()

{

int a[10],i,size,item,pos,flag=0;

printf("Enter the size of the array:");

scanf("%d",&size);

printf("\nEnter the elements of the array:");

for(int i=0;i<size;i++)

{

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

}

printf("Enter the element to be searched:");

scanf("%d",&item);

for(int i=0;i<size;i++)

{

if(item==a[i])

{

pos=i;

flag=1;

break;

}

}

if(flag==1)

printf("\nThe element is in the list and its position is %d\t",pos+1);

else

printf("Element is not found.");

return 0;

}