DATA STRUCTURE PRACTICAL NO. :-01

AIM :-

[A] : Take a number from user and write a program to search a specific number is present or not.

[B] :- Create an array of any size. Write a program to update or modify some element from array

PROGRAM:-

[A] : Take a number from user and write a program to search a specific number is present or not.

```
#include<stdio.h>
int main()
{
   int arr[10], i ,num;
   int found=0;
   printf("enter array elements\n");
   for(i=0;i<10;i++)
   {
      scanf("%d",&arr[i]);
   }
   printf("enter the no. of choice");
   scanf("%d",&num);
   for(i=0;i<10;i++)
   {
      if(num==arr[i])
      {
         printf("The no %d is present in the array",num);
         found=found + 1;
```

```
            break;
        }
    }
    if(found==0)
    {
        printf("The no not found");
    }
    return 0;
}
```

```
PS D:\Class code> cd "d:\Class code\" ; if ($?) { gcc 1A.c -o 1A } ; if ($?) { .\1A }
enter array elements
1
2
3
4
5
enter the no. of choice4
The no 4 is present in the array
PS D:\Class code>
```

[B] :- Create an array of any size. Write a program to update or modify some element from array

```
#include<stdio.h>
int main()
{
  int i,t,a[10],n,m,s,j=0,b[10];
  printf("\nEnter the Limit:");
  scanf("%d",&n);
  printf("\nEnter the Values:");
  for(i=0;i<n;i++)
```

```
 {
  scanf("%d",&a[i]);
 }
 printf("\nGiven values are:");
 for(i=0;i<n;i++)
 {
  printf("a[%d]=%d",i,a[i]);
 }
 printf("\nEnter the position to be update:");
 scanf("%d",&t);
 printf("\nEnter the value to be update:");
 scanf("%d",&s);
 for(i=0;i<n;i++)
 {
  if(i==t)
  {
     a[i]=s;
  }
 }
 printf("\nUpdated value is:");
 for(i=0;i<n;i++)
 {
  printf("\na[%d]=%d",i,a[i]);
 }
 return 0;
}
```

```
PS D:\Class code> cd "d:\Class code\" ; if ($?) { gcc 1B.c -o 1B } ; if ($?) { .\1B }

Enter the Limit:5

Enter the Values:1
2
3
4
5

Given values are:a[0]=1a[1]=2a[2]=3a[3]=4a[4]=5
Enter the position to be update:2

Enter the value to be update:7

Updated value is:
a[0]=1
a[1]=2
a[2]=7
a[3]=4
a[4]=5
PS D:\Class code>
```

GITHUB LINK OF PRACTICAL No. 01 :-

https://github.com/sidheshwar2005/Data_strucutre_practical.git