

## PRACTICAL:-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:-

```
#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 number you want to find");
    scanf("%d",&num);
    for(i=0;i<10;i++)
    {
        if(num==arr[i])
        {
            printf("The number %d is present in the array",num);
            found=found + 1;
            break;
        }
    }
    if(found==0)
    {
        printf("The number is not found");
    }
}
```

```
}
}
```

[ OUTPUT ]

```

EXPLORER
  GURU012
    .vscode
    tasks.json
    Array
      a.exe
      allop.cpp
      array1.cpp
      binarySearch.c
      binarySearch.exe
      bubble.c
      dele.cpp
      delete.cpp
      delete.exe
      ex1.c
      ex2.c
      ex3.c
      ex4.cpp
      ex4.exe
      ex5.cpp
      ex6.cpp
      ex11.cpp
      ex12.cpp
      extra.c
      firstPos.cpp
      mid.cpp
      midPos.cpp
      new.cpp
      newdele.cpp
      one.cpp
      pointer.cpp
      search.c
      selection.c
      zeroAndOnes.exe

Array > ex1.c > main()
1  #include<stdio.h>
2  int main()
3  {
4      int arr[10], i, num;
5      int found=0;
6      printf('Enter array elements\n');
7      for(i=0;i<10;i++)
8      {
9          scanf('%d",&arr[i]);
10     }
11 }

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
PS C:\Users\dajig\OneDrive\Desktop\guru012\array> gcc ex1.c
PS C:\Users\dajig\OneDrive\Desktop\guru012\array> ./a.exe
enter array elements
45
66
41
12
43
48
12
33
120
99
enter the number you want to find:120
The number 120 is present in the array
PS C:\Users\dajig\OneDrive\Desktop\guru012\array>

```

[B]

PROGRAM:-

```
#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;
}

```

[ OUTPUT ]

```
Array > ex2.c > main()
2  int main()
10  scanf("%d",&a[i]);
11  }
12  printf("\nGiven values are:");
13  for(i=0;i<n;i++)
14  {
15      printf("a[%d]=%d",i,a[i]);
16  }
17  printf("\nEnter the position to be update:");
18  int pos;
19  scanf("%d",&pos);
20  if(pos<0 || pos>=n)
21  {
22      printf("Invalid position\n");
23      return 1;
24  }
25  printf("Enter the value to be update:");
26  int val;
27  scanf("%d",&val);
28  a[pos]=val;
29  printf("Updated value is:\n");
30  for(i=0;i<n;i++)
31  {
32      printf("a[%d]=%d",i,a[i]);
33  }
34  return 0;
35  }
```

PS C:\Users\dajig\OneDrive\Desktop\guru012\array> gcc ex2.c  
PS C:\Users\dajig\OneDrive\Desktop\guru012\array> ./a.exe

Enter the Limit:5

Enter the Values:10  
20  
41  
99  
45

Given values are:a[0]=10a[1]=20a[2]=41a[3]=99a[4]=45  
Enter the position to be update:2

Enter the value to be update:100

Updated value is:  
a[0]=10  
a[1]=20  
a[2]=100  
a[3]=99  
a[4]=45  
PS C:\Users\dajig\OneDrive\Desktop\guru012\array>

Github Link: <https://github.com/guru24961/Data-Stracture-practical.git>