

DSA Practical No – 1

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]

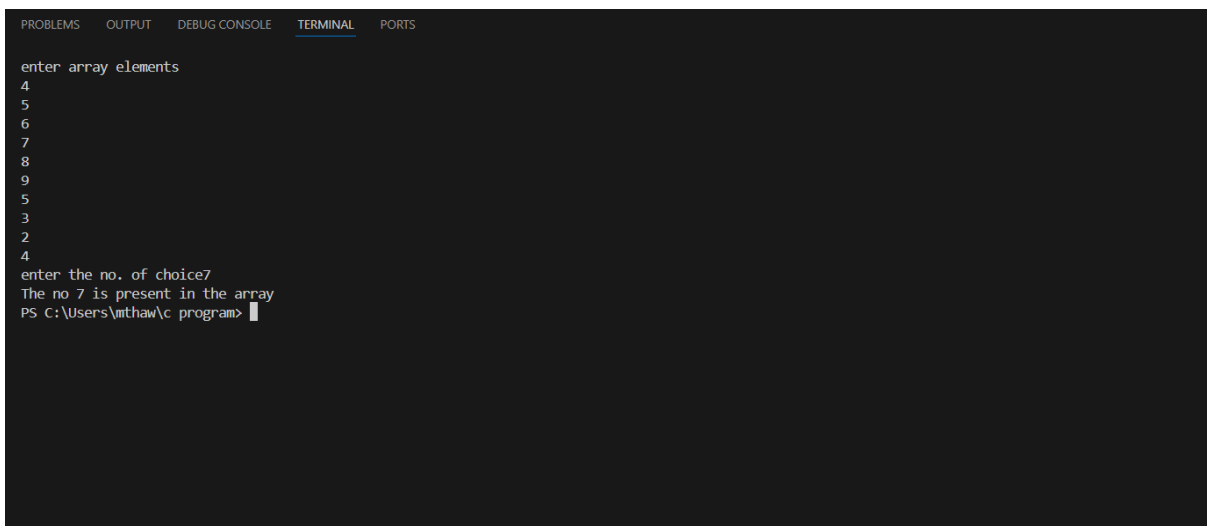
```
int main()
{
    int arr[10], i ,num;
    int found=0;
    printf("enter array elements\n");
    for(i=0;i<10;i++)
    {
        scanf("%d",&arr[i]);
    }
    printf("enter the no. of choice");
    scanf("%d",&num);
    for(i=0;i<10;i++)
    {
        if(num==arr[i])
        {
            printf("The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

```

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

```

Output:



```

PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS
enter array elements
4
5
6
7
8
9
5
3
2
4
enter the no. of choice7
The no 7 is present in the array
PS C:\Users\mithaw\c program>

```

[B]

```

#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:

```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS

PS C:\Users\mthaw\c program> gcc code.c
PS C:\Users\mthaw\c program> ./a.exe

Enter the Limit:6

Enter the Values:10
20
40
70
80
90

Given values are:a[0]=10a[1]=20a[2]=40a[3]=70a[4]=80a[5]=90
Enter the position to be update:4

Enter the value to be update:50

Updated value is:
a[0]=10
a[1]=20
a[2]=40
a[3]=70
a[4]=50
a[5]=90
PS C:\Users\mthaw\c program> |
```

Github link : <https://github.com/MayurThaware122/DSA>