

# DS PRACTICAL NO: 1

## [ ARRAY OPERATION ]

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

**Program:-**

```
#include <stdio.h>
int main()
{

    int arr[] = {1,2,3,4,5,6,7,8,9,10};

    int n = 10 ;

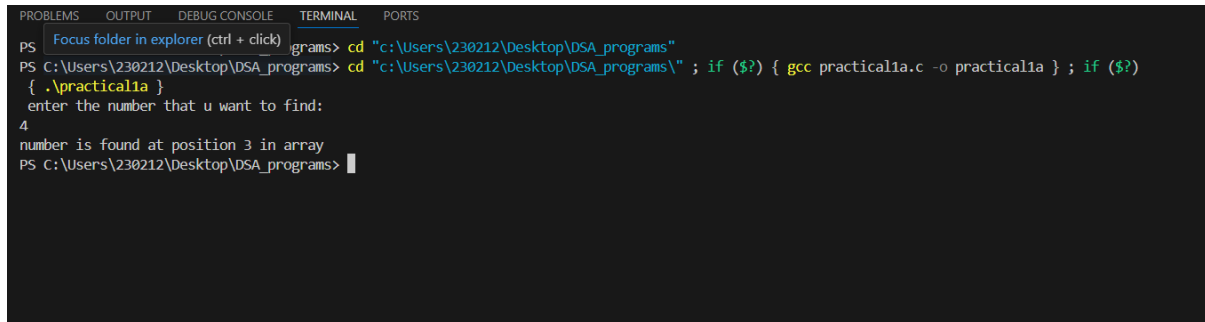
    int found = 0 ;
    int target ;

    printf(" enter the number that u want to find:");
    scanf("%d",&target);

    for(int i = 0 ; i < n ; i ++ ){
        if(target== arr[i]){
            printf("found at:%d", i);
            found = 1 ;
            break ;
        }
    }
    if(found == 0)
    {
        printf(" number is not found");
    }
    return 0 ;

}
```

## OUTPUT



```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
PS Focus folder in explorer (ctrl + click) grams> cd "c:\Users\230212\Desktop\DSA_programs"
PS C:\Users\230212\Desktop\DSA_programs> cd "c:\Users\230212\Desktop\DSA_programs\" ; if ($?) { gcc practical1a.c -o practical1a } ; if ($?) { .\practical1a }
enter the number that u want to find:
4
number is found at position 3 in array
PS C:\Users\230212\Desktop\DSA_programs>
```

[B]: Create an array of size n and write a program to update element from array.

### Program :

```
#include<stdio.h>

int main ()
{
    int i ,t,a[100],n , m ,s, j=0, b[10];

    printf("enter how many elements you want in array\n");

    scanf("%d",&n);

    printf ("enter the values:");

    for(i=0;i<n;i++)
    {
        scanf("%d",&a[i]);
    }

    printf("given values are:");

    for(i=0;i<n;i++)
    {
        printf("a[%d]=%d", i , a[i]);
    }

    printf("enter the position you want to update:");

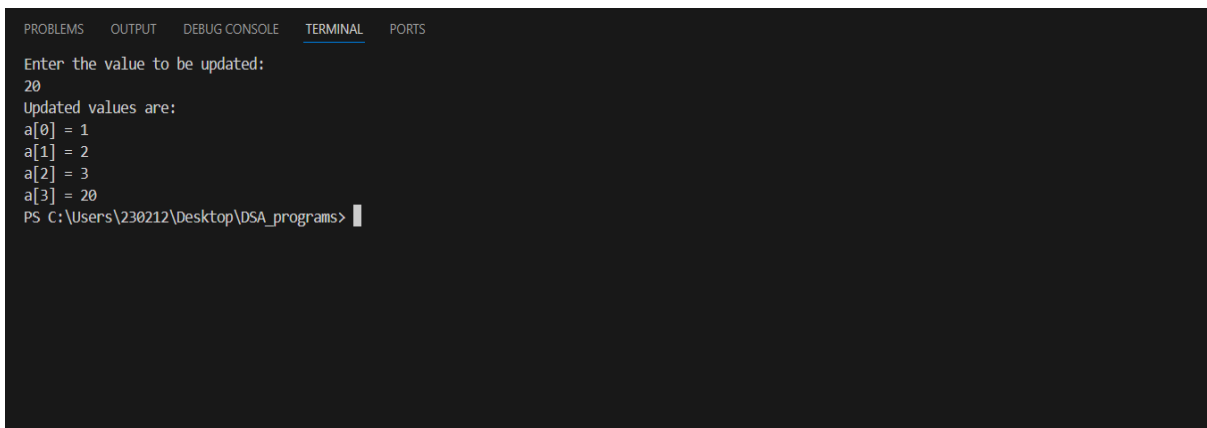
    scanf("%d",&t);
```

```

printf("enter the value to be update");
scanf("%d",&s);
for(i=0;i<n;i++)
{
    if (i==t)
    {
        a[i]=s;
    }
}
printf("updated value is ");
for(i=0;i<n;i++)
{
    printf("a[%d]=%d",i, a[i]);
}
}

```

## OUTPUT



```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
Enter the value to be updated:
20
Updated values are:
a[0] = 1
a[1] = 2
a[2] = 3
a[3] = 20
PS C:\Users\230212\Desktop\DSA_programs>

```

GITHUB LINK FOR PRACTICAL NO. 1 :-

<https://github.com/AmolNagargoje04/Data-Structure-practical>

