DS PRACTICAL NO: 1

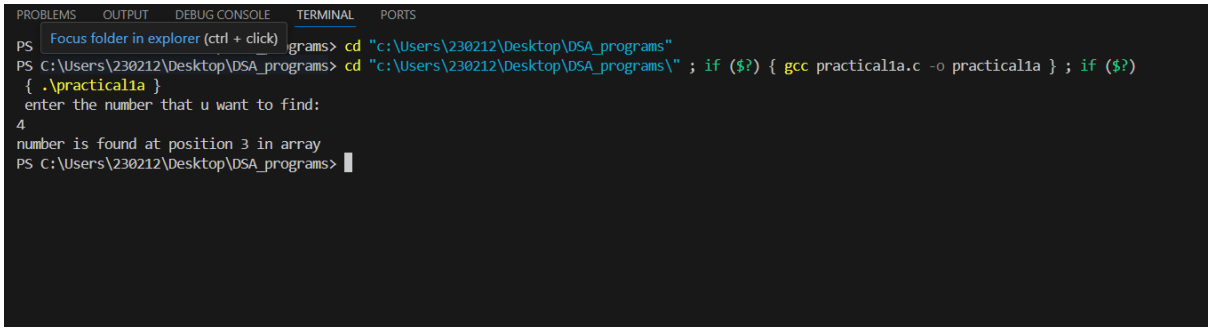
[ARRAY OPERATION]

[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



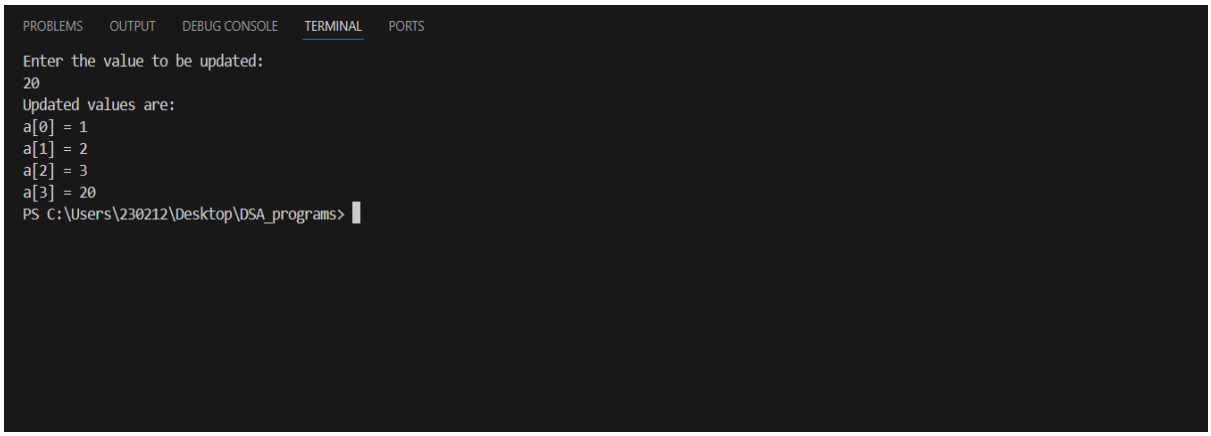
[B]: Create an array of size n and write a program to update element from array.

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



GITHUB LINK FOR PRACTICAL NO. 1 :-

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