AIM :-                                ARRAY OPERATION

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

PROGRAM:-

```c
#include<stdio.h>


void main(){


    int a[10];

    int i, find_num, found = 0;


    printf("Enter ten 10 (Ten) elements in array:\n");


    //Loop for entering array elements :-

    for(i = 0; i < 10; i++){

        scanf("%d", &a[i]);

    }


    //Number to search in array :-

    printf("Enter the number that you have to find in array :-  ");

    scanf("%d", &find_num);


    //Loop to search the number in array :-

    for(i = 0; i < 10; i++){


        //Condition to check the searching number is equal to the array number :-

        if(a[i] == find_num){

            printf("The number %d, is found at position %d in array.\n", find_num, i + 1);

            found  = 1;

        }
```

```
        }


        //Confition when the element not found in array :-

        if(found == 0){

            printf("Sorry, the number %d, is not found in the array.\nTry to find the number which is
present in the given array.\n", find_num);

        }




}
```

<span style="color:red">**OUTPUT**</span>

PROBLEMS    OUTPUT    DEBUG CONSOLE    TERMINAL    PORTS                                              >_ Code  + ∨  ⬚ ⌧  …  ∨  ✕

```
PS C:\Users\Shreyash\Desktop\Data_Structure_Project_Second_Year> cd "c:\Users\Shreyash\Desktop\Data_Structure_Project_Second_Year\" ; if ($?) { gcc
 Practical_1_1.c -o Practical_1_1 } ; if ($?) { .\Practical_1_1 }
Enter ten 10 (Ten) elements in array:
1
45
62
34
97
85
14
25
36
19
Enter the number that you have to find in array :-  85
The number 85, is found at position 6 in array.
PS C:\Users\Shreyash\Desktop\Data_Structure_Project_Second_Year> ▮
```

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

modify some element from array.

PROGRAM:-

#include<stdio.h>


void main(){


    //Creating array :-

    int a[5] = {12, 11, 35, 68, 77};

    int i ;


    //Printing array in terminal :-

    printf("\n");

    printf("Befor modify the elements in array :-\n\n");

    for(i = 0; i < 5; i++ ){

      printf("%d\t",a[i] );

      }

      printf("\n\n");


    //Condition to modify the elements 11 and 68 with 22 and 78 respectively

    for(i = 0; i < 5; i++ ){

      if(a[i] == 11){

        a[i] = 22;


      }else if(a[i] == 68){

        a[i] = 78;


      }

    }


    //Printing the array after the modify the elements

```
    printf("After modify the elements in array :-\n\n");



    for(i = 0; i < 5; i++){



        printf("%d\t",a[i] );



    }

}
```

## OUTPUT

```
PROBLEMS    OUTPUT    DEBUG CONSOLE    TERMINAL    PORTS                                    >_ Code + ∨  ⊡  🗑  ⋯  ∨  ✕

PS C:\Users\Shreyash\Desktop\Data_Structure_Project_Second_Year> cd "c:\Users\Shreyash\Desktop\Data_Structure_Project_Second_Year\" ; if ($?) { gcc
 Practical_1_2.c -o Practical_1_2 } ; if ($?) { .\Practical_1_2 }

Befor modify the elements in array :-

12      11      35      68      77

After modify the elements in array :-

12      22      35      78      77
PS C:\Users\Shreyash\Desktop\Data_Structure_Project_Second_Year>
 *  History restored

PS C:\Users\Shreyash\Desktop\Data_Structure_Project_Second_Year> ▌
```