Lab Report 01

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List of Task

- 1. Concepts of Array
- 2. Array Declaration
- 3. Array initialization using function
- 4. Display elements of Array using function
- 5. Find Even Numbers in Array

In this lab we learn three function for **initialization**, **Display and find Even Number**. Here the description of each function.

Description of Void initializer

```
/*write a Function name intilizer that will an arry,
its size as parametrs, this function should initilize the declaraed arry*/
void intilizer(int arr[], int size);// Arry intilizer
```

What does Function Do?

- 1. Void function means nothing will return.
- 2. Take an array and size of array as a parameter.
- 3. Take input from user using loop and store in Array.
- 4. Use **switch** for menu display which helps to perform task according to **choice of user.**

Source Code

```
void intilizer(int arr[], int size)
{
    for (int i = 0; i < size; i++)
        {
        cin>>arr[i];
     }
}// End of Initilizer
```

Output

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

| Scode | Code | C
```

Description of Void Display

```
/*write a Function name Display that will an arry,
its size as parametrs, this function should display initilized values of arry*/
void Display(int arr[], int size);// Arry Display
```

What does Function Do?

- 1. Void function means **nothing will return.**
- 2. Take an array and size of array as a parameter.
- 3. Display element of Array using loop.
- 4. Use switch for menu display which helps to perform task according to choice of user.

Source Code

```
void Display(int arr[], int size)
{
    cout<<"**********Values of Arry******"<<endl;

    for (int i = 0; i < size; i++)
        {
            cout<<arr[i]<<endl;
        }
}// End of Display</pre>
```

Output

Description of Void Even Number

```
/*write a Function name Display that will an arry,
its size as parametrs, this function should display initilized values of arry*/
void Display(int arr[], int size);// Arry Display
```

What does Function Do?

- 1. Void function means **nothing will return.**
- 2. Take an array and size of array as a parameter.
- 3. Find even number in array.
- 4. Using conditional operator if(n%2==0) EvenNo
- 5. Use **switch** for menu display which helps to perform task according to **choice of user.**

Source Code

```
/*write a Function name evenNo that will an arry,
its size as parametrs, this function should find Even number in the Arry*/
void evenNo(int arr[], int size);// Even Finder
```

Output

```
PS E:\BSCS 3rd Semester\DSA\My_code\Arry_Searching> cd "e:\BSCS 3rd Semester\DSA\My_code\Arry_Sea
p1.cpp -o Lab1_p1 }; if ($?) { .\Lab1_p1 }
Declare the size of Arry
Press 1 to initialize array
Press 3 to display even numbers of array
Press 0 to exit from code
-----Initializing array-----
3
99
Press 1 to initialize array
Press 3 to display even numbers of array
Press 0 to exit from code
*************Finding*********
************Even Numbers in arry********
Press 1 to initialize array
Press 3 to display even numbers of array
Press 0 to exit from code
```

End of Lab 01