# Institute of Computer Technology
## B. Tech Computer Science and Engineering
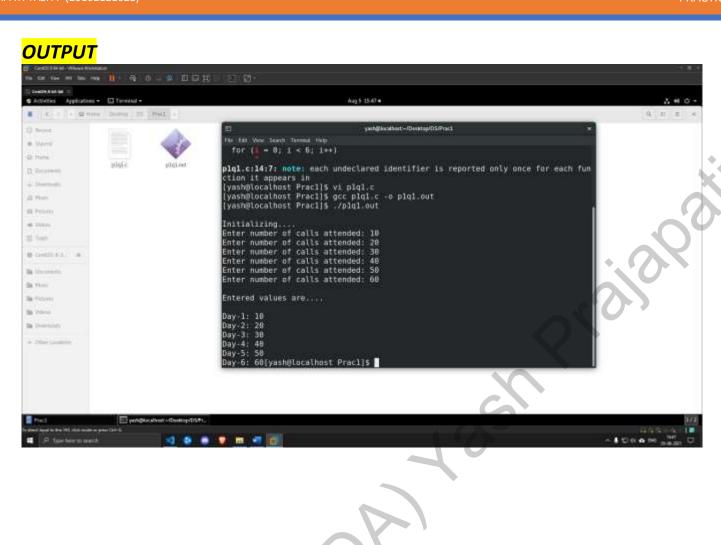### Subject: DS (2CSE302)
### **PRACTICAL-1**

**Objectives:** To learn about Traversing and Inserting an element in an array.

- **Manish is doing a job in tele calling company. He wants to add a number of assigned calls for every day. How he can implement C code using following steps (Make Suitable Assumptions):**

1. **Create an array for 6 elements with data type INT. Traverse all 6 elements from an array.**

*SOLUTION*

```c
//Question-1
//include header file
#include <stdio.h>
//inside main
int main()
{
    //declare array
    int arr[6];
    int i;
    //assign these call values to an array element
    //traverse the element, variable i...comment, varible name meaningful
    //taking for loop,...i=1 to 6
    printf("\nInitializing....\n");
    for (i = 0; i < 6; i++)
    {
        printf("Enter number of calls attended: ");
        scanf("%d",&arr[i]);
    }

    //print the element from the array arr[i+1]
    printf("\nEntered values are....\n");
    for (i = 0; i < 6; i++)
    {
        printf("\nDay-%d: %d",i+1,arr[i]);
    }

    return 0;
}
```