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.

2. One day 5 employees took leave all of sudden due to COVID-19. So Manager asked Manish to do the job on Sunday as well. As he needs to update the records of his assigned call. So how can he add one more array element at the last position and print an updated array list on screen.
SOLUTION

```c
//Question-2

#include<stdio.h>
int main()
{
        int Day[6];
        int n=6 , location=6 , j;
        j = n;
        printf("\nInitializing....\n");
        for (int i = 0; i < 6; i++)
        {
                printf("Enter number of calls attended: ");
                scanf("%d",&Day[i]);
        }

        printf("Number of calls per day : \n");
        for (int i = 0; i<6; i++)
        {
                printf(" Day-%d : %d \n",i+1,Day[i]);
        }

        n = n+1;
        while( j >= location)
        {
        Day[j+1] = Day[j];
        j=j-1;
        }

        printf("\nEnter calls for last day: -\n");
        scanf("%d",&Day[location]);
```
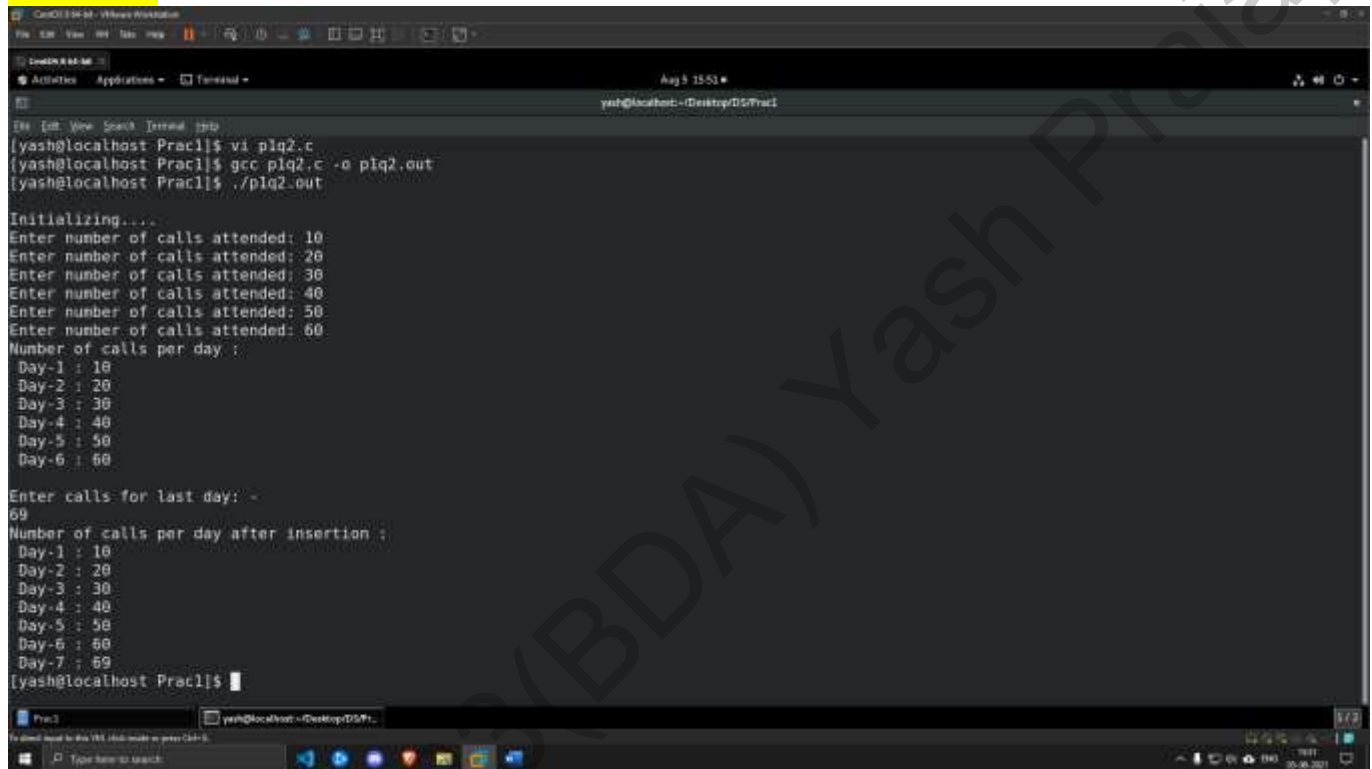
```
        printf("Number of calls per day after insertion : \n");

        for(int i=0; i<=n; i++)
        {
                printf(" Day-%d : %d \n",i+1, Day[i]);
        }

        return 0;
}
```

OUTPUT