DAILY ONLINE ACTIVITIES SUMMARY

Date:	**19-06-2020**	**Name:**	**Nanditha.R.Shetty**
Sem & Sec	**6th sem, 'A' sec**	**USN:**	**4AL17CS054**

Online Test Summary

Subject	**Programming in C**		
Max. Marks		**Score**	

Certification Course Summary

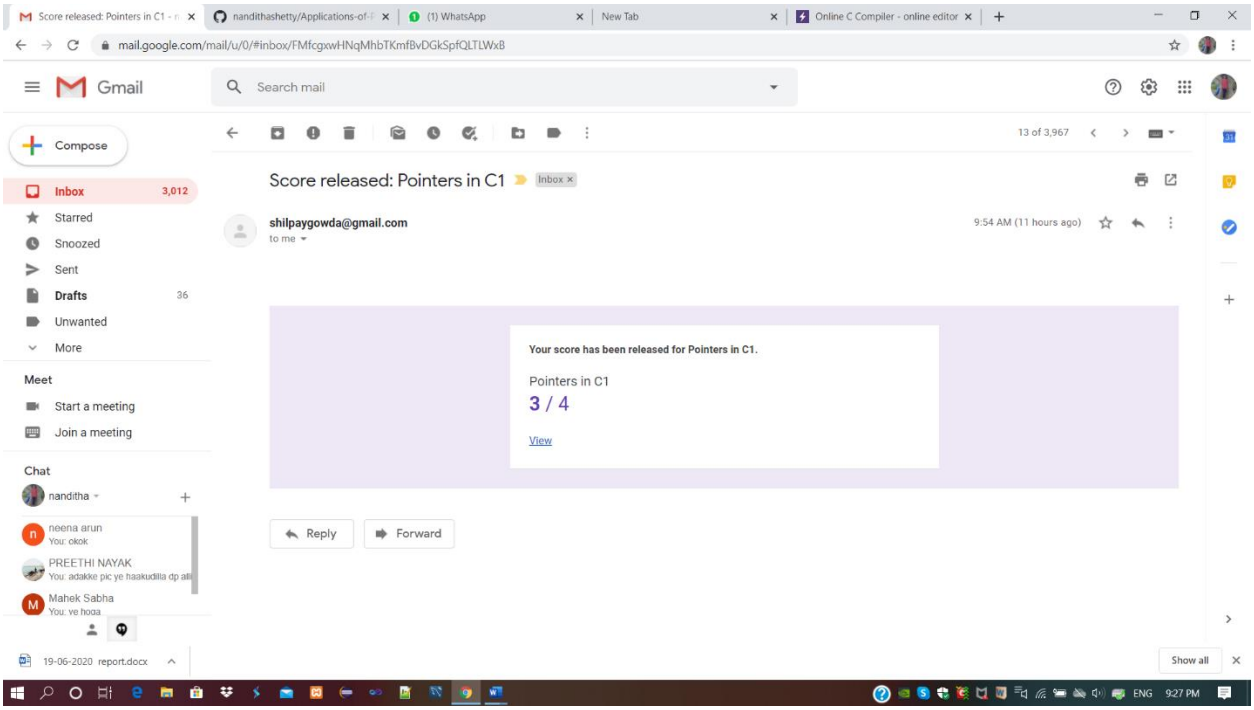
Course	Workshop on "**Applications of Python Programming in DA and ML**"		
Certificate Provider	**-**	**Duration**	**-**

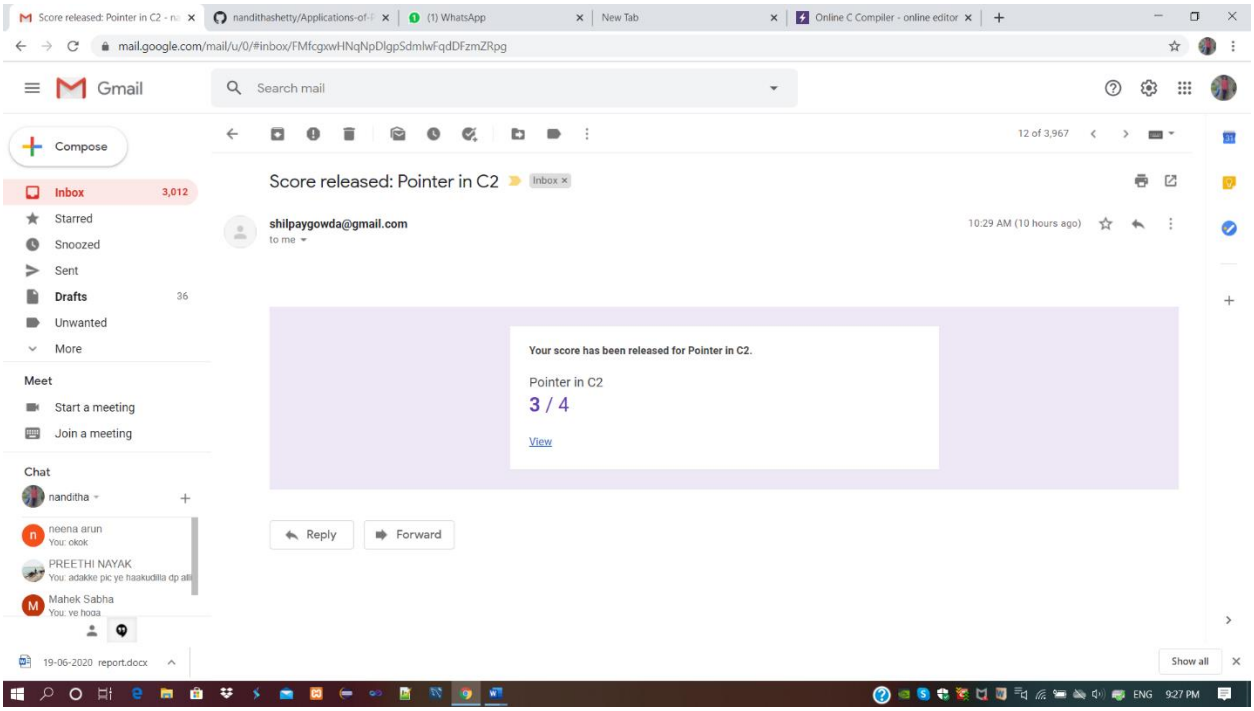
Coding Challenges

Problem Statement: 1 Java and 2 C program and 1 python program	
Status: executed	
Uploaded the report in GitHub	**Yes**
If yes Repository name	https://github.com/nandithashetty/DAILY-STATUS
Uploaded the report in slack	**Yes**

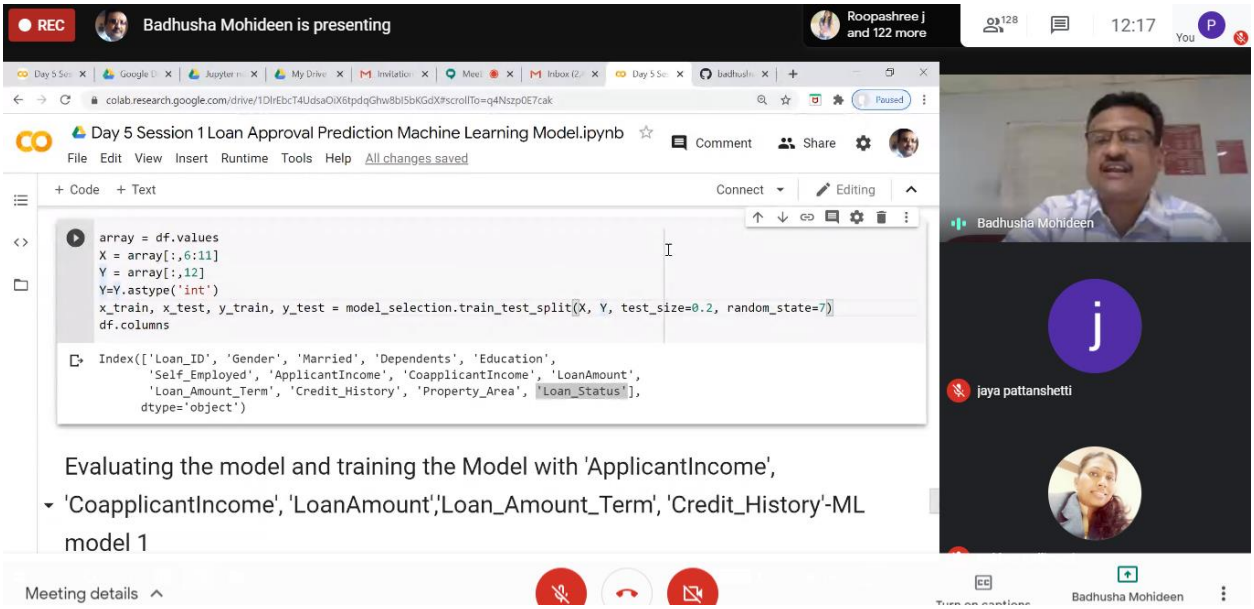
Online Test Details:

Programming in C





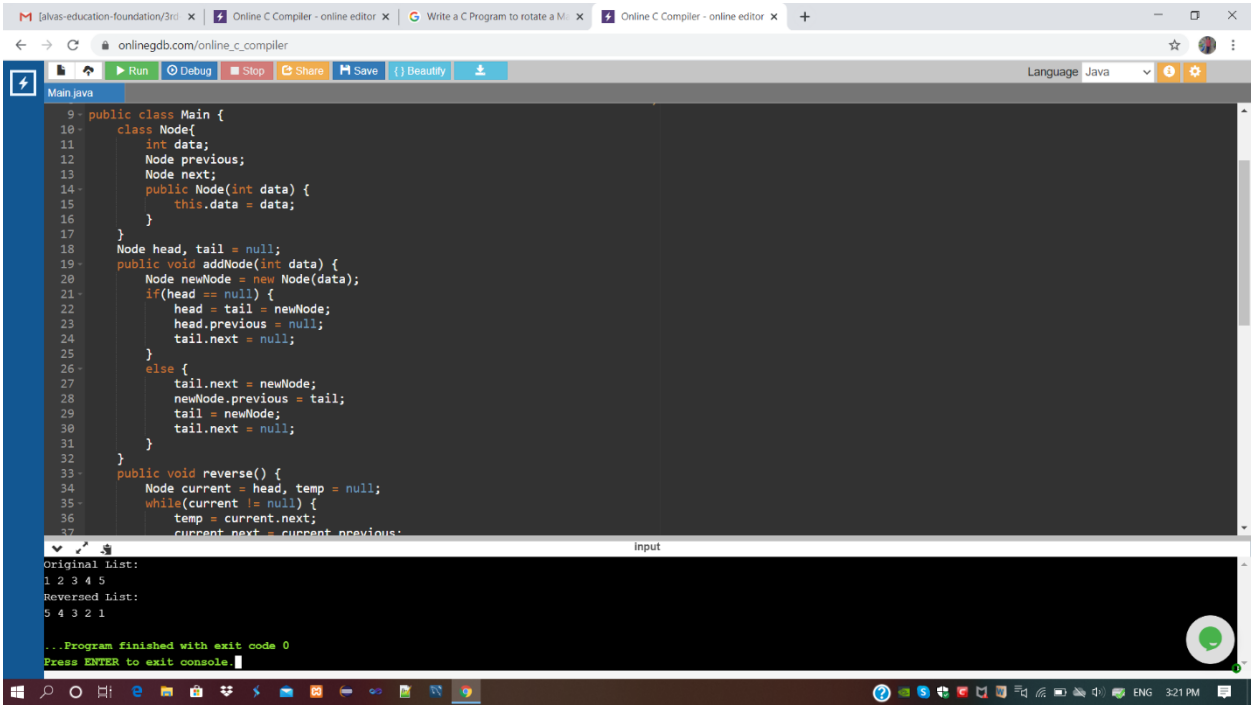
Workshop Details:



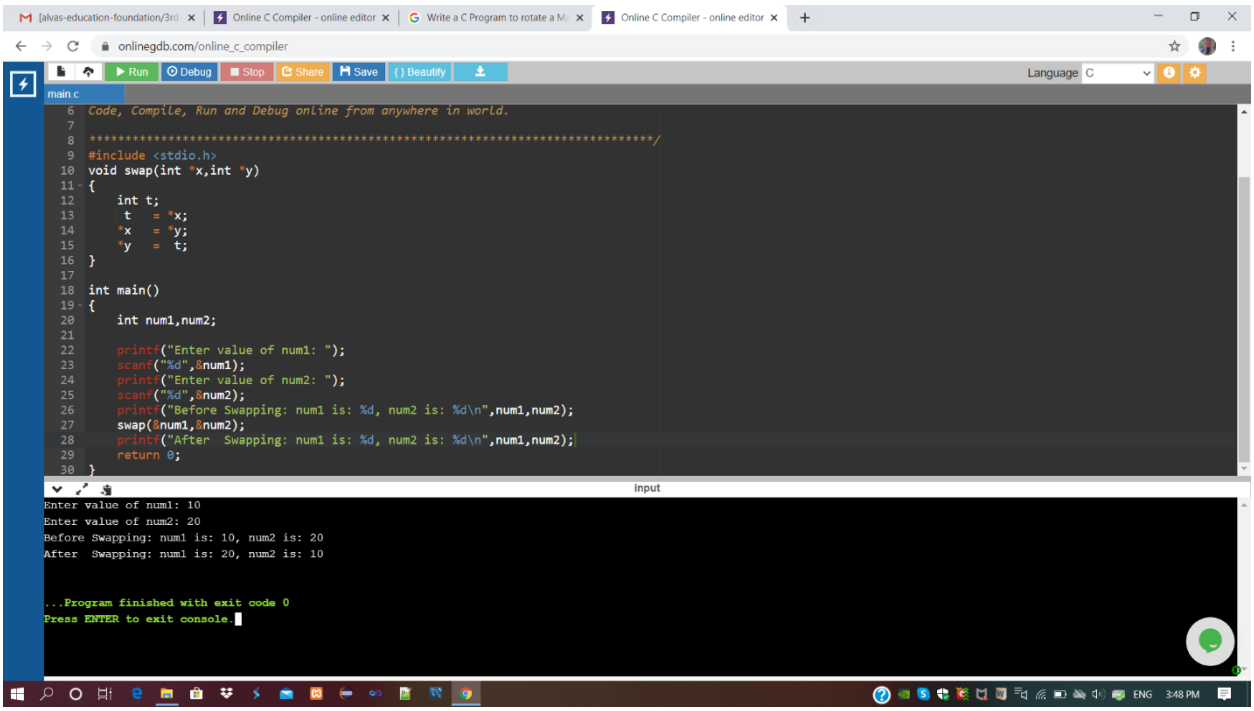
Coding Challenges Details:

Program 1

This is output of java program to create a doubly linked list of n nodes and display it in reverse order.



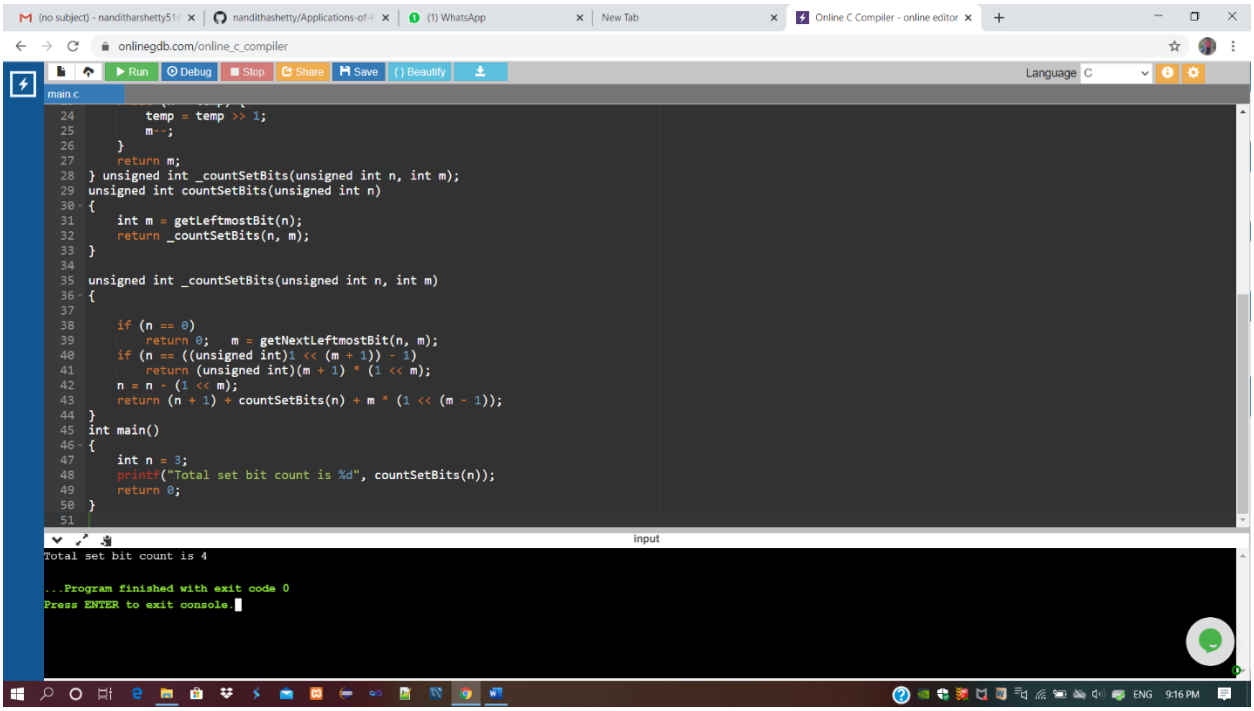
Program 2



```c
/*
Code, Compile, Run and Debug online from anywhere in world.

*******************************************************************************/
#include <stdio.h>
void swap(int *x,int *y)
{
    int t;
     t   = *x;
    *x   = *y;
    *y   =  t;
}

int main()
{
    int num1,num2;

    printf("Enter value of num1: ");
    scanf("%d",&num1);
    printf("Enter value of num2: ");
    scanf("%d",&num2);
    printf("Before Swapping: num1 is: %d, num2 is: %d\n",num1,num2);
    swap(&num1,&num2);
    printf("After  Swapping: num1 is: %d, num2 is: %d\n",num1,num2);
    return 0;
}
```

```
Enter value of num1: 10
Enter value of num2: 20
Before Swapping: num1 is: 10, num2 is: 20
After  Swapping: num1 is: 20, num2 is: 10


...Program finished with exit code 0
Press ENTER to exit console.
```

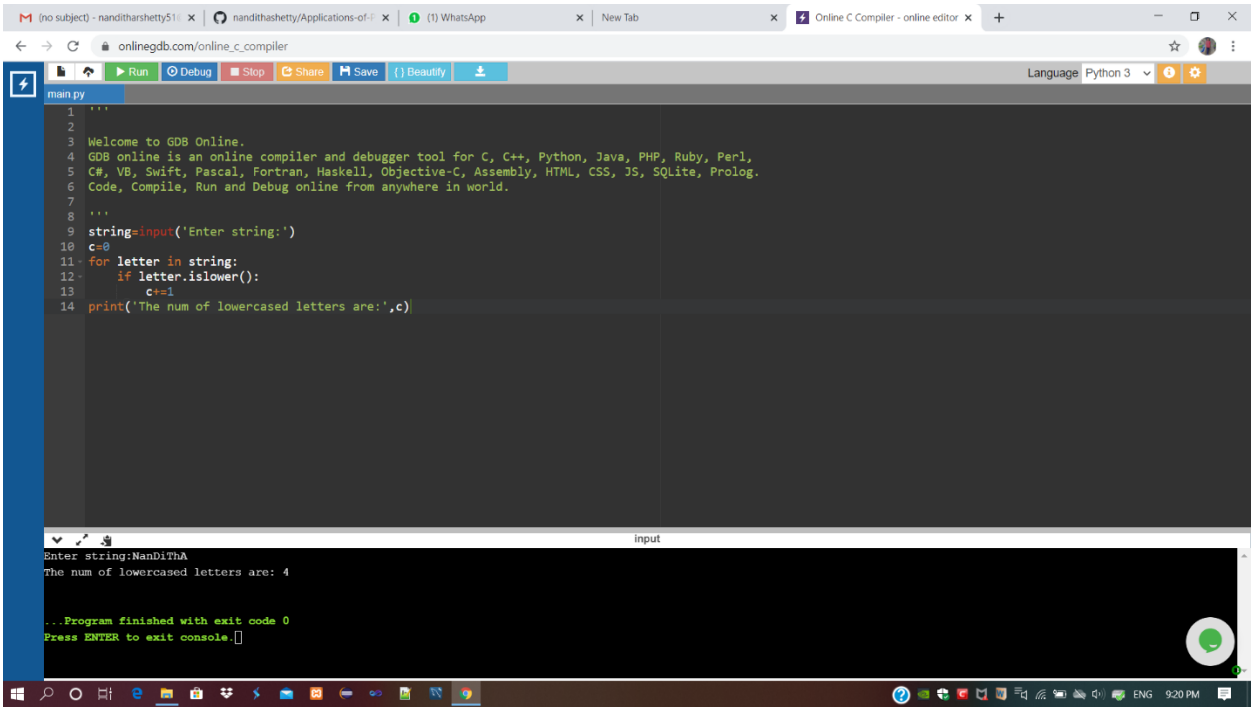
Program3



```c
        temp = temp >> 1;
        m--;
    }
    return m;
} unsigned int _countSetBits(unsigned int n, int m);
unsigned int countSetBits(unsigned int n)
{
    int m = getLeftmostBit(n);
    return _countSetBits(n, m);
}

unsigned int _countSetBits(unsigned int n, int m)
{

    if (n == 0)
        return 0;   m = getNextLeftmostBit(n, m);
    if (n == ((unsigned int)1 << (m + 1)) - 1)
        return (unsigned int)(m + 1) * (1 << m);
    n = n - (1 << m);
    return (n + 1) + countSetBits(n) + m * (1 << (m - 1));
}
int main()
{
    int n = 3;
    printf("Total set bit count is %d", countSetBits(n));
    return 0;
}
```

```
Total set bit count is 4

...Program finished with exit code 0
Press ENTER to exit console.
```

Program 4



Refer GitHub for detailed Information:
https://github.com/nandithashetty/DAILY-STATUS/tree/master/19-06-2020/ONLINE%20CODING

Workshop on "Applications of Python Programming in DA and ML"

Today's exercise uploaded in :

https://github.com/nandithashetty/Applications-of-Python-Programming-in-DA-and-ML

This Report is also available in:

https://github.com/nandithashetty/DAILY-STATUS/tree/master/19-06-2020