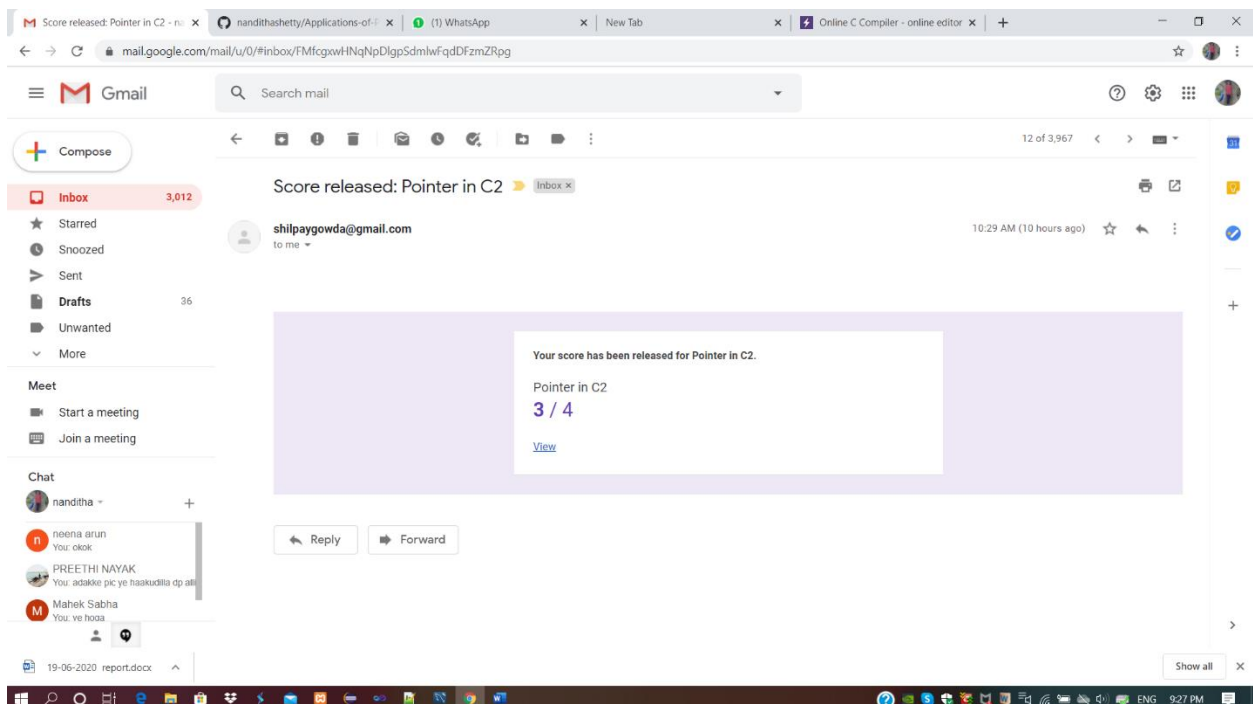
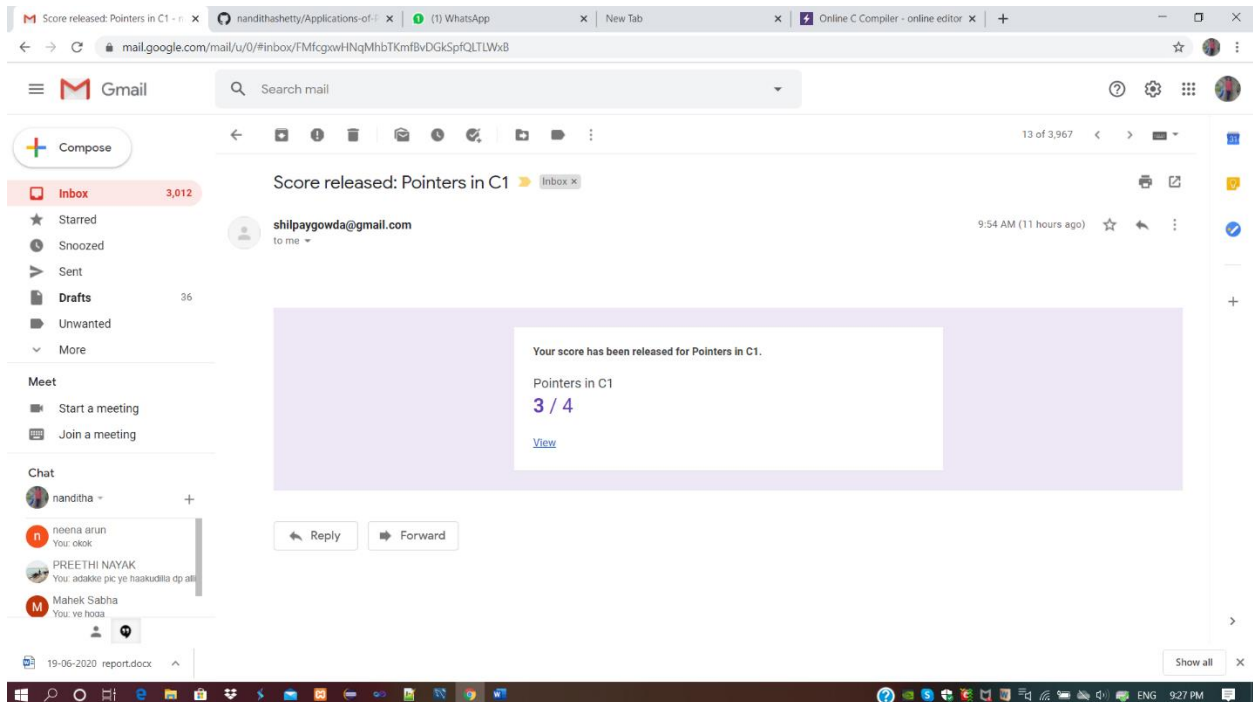


DAILY ONLINE ACTIVITIES SUMMARY

Date:	19-06-2020	Name:	Nanditha.R.Shetty
Sem & Sec	6 th 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:

The screenshot shows a Google Colab notebook titled "Day 5 Session 1 Loan Approval Prediction Machine Learning Model.ipynb". The code in the notebook is as follows:

```
array = df.values
X = array[:,6:11]
Y = array[:,12]
Y=Y.astype('int')
x_train, x_test, y_train, y_test = model_selection.train_test_split(X, Y, test_size=0.2, random_state=7)
df.columns
```

The output of the code is:

```
Index(['Loan_ID', 'Gender', 'Married', 'Dependents', 'Education',
       'Self_Employed', 'ApplicantIncome', 'CoapplicantIncome', 'LoanAmount',
       'Loan_Amount_Term', 'Credit_History', 'Property_Area', 'Loan_Status'],
      dtype='object')
```

Below the code, there is a text box with the following text:

Evaluating the model and training the Model with 'ApplicantIncome',
- 'CoapplicantIncome', 'LoanAmount', 'Loan_Amount_Term', 'Credit_History'-ML model 1

The right side of the screenshot shows a Zoom meeting interface. The meeting is titled "Badhusha Mohideen is presenting". The participants listed are "Badhusha Mohideen", "jaya pattanshetti", and "You". The time is 12:17.

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.

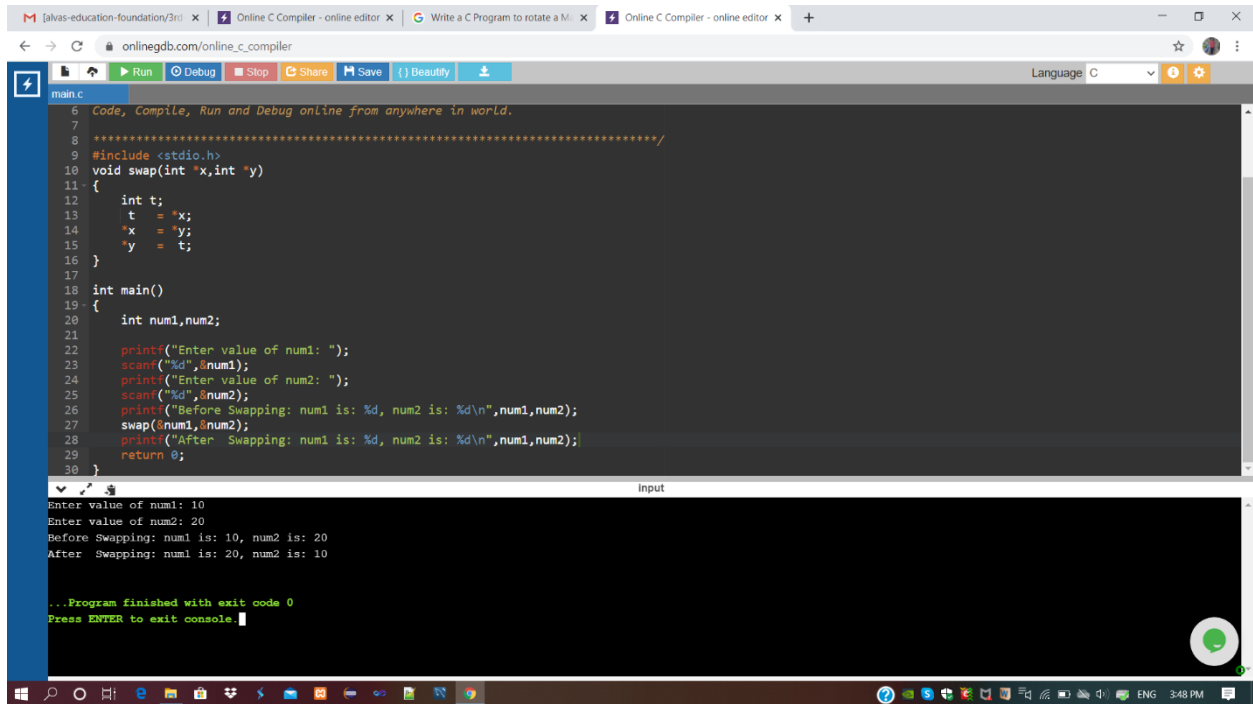
The screenshot shows a Java program running in an online compiler. The code is as follows:

```
public class Main {
    class Node{
        int data;
        Node previous;
        Node next;
        public Node(int data) {
            this.data = data;
        }
    }
    Node head, tail = null;
    public void addNode(int data) {
        Node newNode = new Node(data);
        if(head == null) {
            head = tail = newNode;
            head.previous = null;
            tail.next = null;
        }
        else {
            tail.next = newNode;
            newNode.previous = tail;
            tail = newNode;
            tail.next = null;
        }
    }
    public void reverse() {
        Node current = head, temp = null;
        while(current != null) {
            temp = current.next;
            current.next = current.previous;
        }
    }
}
```

The output of the program is:

```
Original list:
1 2 3 4 5
Reversed list:
5 4 3 2 1
...Program finished with exit code 0
Press ENTER to exit console
```

Program 2



The screenshot shows a web browser with multiple tabs, including 'Online C Compiler - online editor'. The active tab displays a C program in a dark-themed editor. The program is a swap function and a main function that takes two integers, 10 and 20, and swaps them. The output console shows the input values, the state before and after the swap, and the final state after the swap. The program finishes with exit code 0.

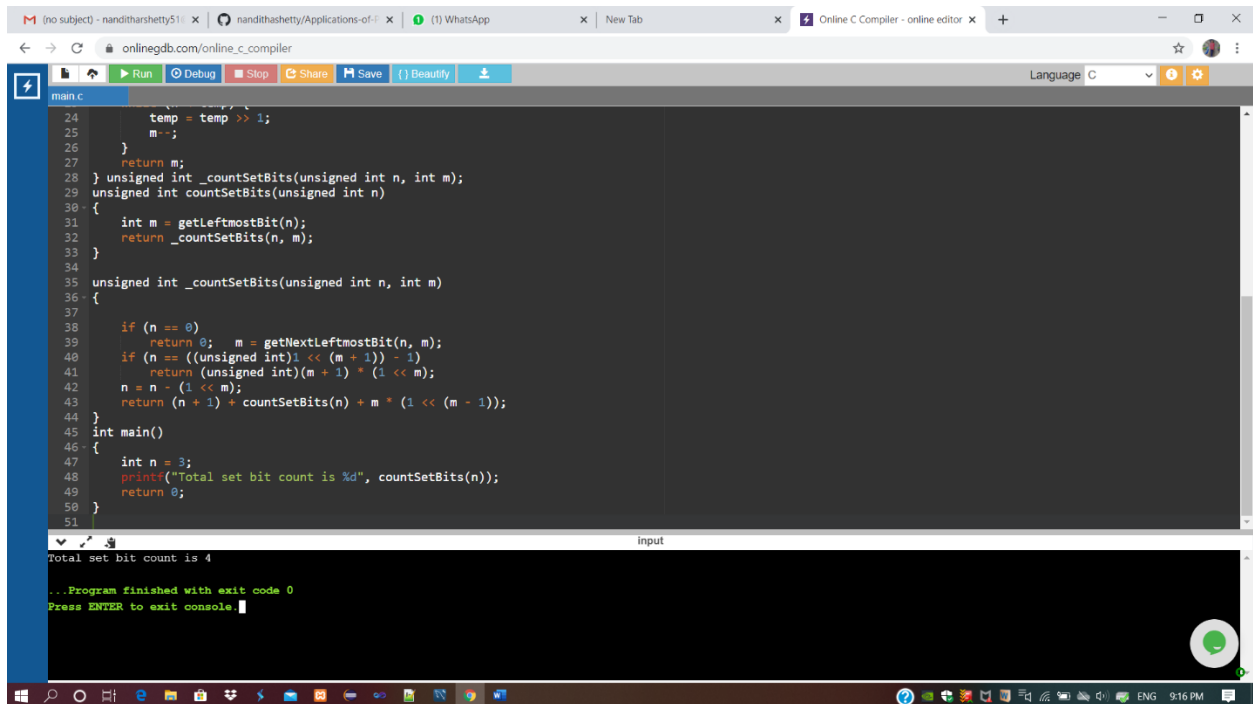
```
main.c
6 Code, Compile, Run and Debug online from anywhere in world.
7
8 *****
9 #include <stdio.h>
10 void swap(int *x,int *y)
11 {
12     int t;
13     t = *x;
14     *x = *y;
15     *y = t;
16 }
17
18 int main()
19 {
20     int num1,num2;
21
22     printf("Enter value of num1: ");
23     scanf("%d",&num1);
24     printf("Enter value of num2: ");
25     scanf("%d",&num2);
26     printf("Before Swapping: num1 is: %d, num2 is: %d\n",num1,num2);
27     swap(&num1,&num2);
28     printf("After Swapping: num1 is: %d, num2 is: %d\n",num1,num2);
29     return 0;
30 }
```

Input

```
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



The screenshot shows a web browser with multiple tabs, including 'Online C Compiler - online editor'. The active tab displays a C program in a dark-themed editor. The program defines a function to count the number of set bits in an integer. The main function calls this function with the value 3 and prints the result. The output console shows the total set bit count is 4. The program finishes with exit code 0.

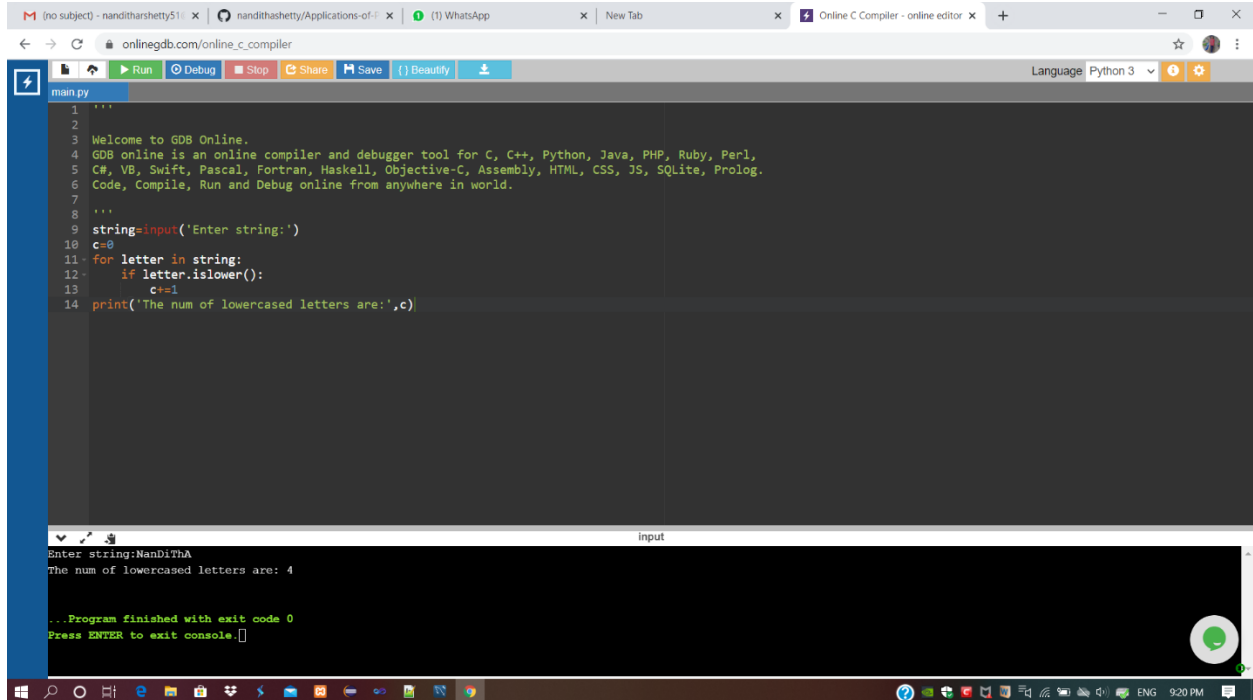
```
main.c
24     temp = temp >> 1;
25     m = m >> 1;
26 }
27 return m;
28 } unsigned int _countSetBits(unsigned int n, int m);
29 unsigned int countSetBits(unsigned int n)
30 {
31     int m = getLeftmostBit(n);
32     return _countSetBits(n, m);
33 }
34
35 unsigned int _countSetBits(unsigned int n, int m)
36 {
37     if (n == 0)
38         return 0;
39     m = getNextLeftmostBit(n, m);
40     if (n == ((unsigned int)1 << (m + 1)) - 1)
41         return (unsigned int)(m + 1) * (1 << m);
42     n = n - (1 << m);
43     return (n + 1) + countSetBits(n) + m * (1 << (m - 1));
44 }
45
46 int main()
47 {
48     int n = 3;
49     printf("Total set bit count is %d", countSetBits(n));
50     return 0;
51 }
```

Input

```
Total set bit count is 4

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

Program 4



The screenshot shows a web browser with multiple tabs. The active tab is 'Online C Compiler - online editor'. The URL is 'onlinegdb.com/online_c_compiler'. The editor displays a Python script with the following code:

```
1 '''
2 Welcome to GDB Online.
3 GDB online is an online compiler and debugger tool for C, C++, Python, Java, PHP, Ruby, Perl,
4 C#, VB, Swift, Pascal, Fortran, Haskell, Objective-C, Assembly, HTML, CSS, JS, SQLite, Prolog.
5 Code, Compile, Run and Debug online from anywhere in world.
6 '''
7
8
9 string=input('Enter string:')
10 c=0
11 for letter in string:
12     if letter.islower():
13         c+=1
14 print('The num of lowercased letters are:',c)
```

The console output shows the program execution:

```
Enter string:Nanditha
The num of lowercased letters are: 4

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

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>