

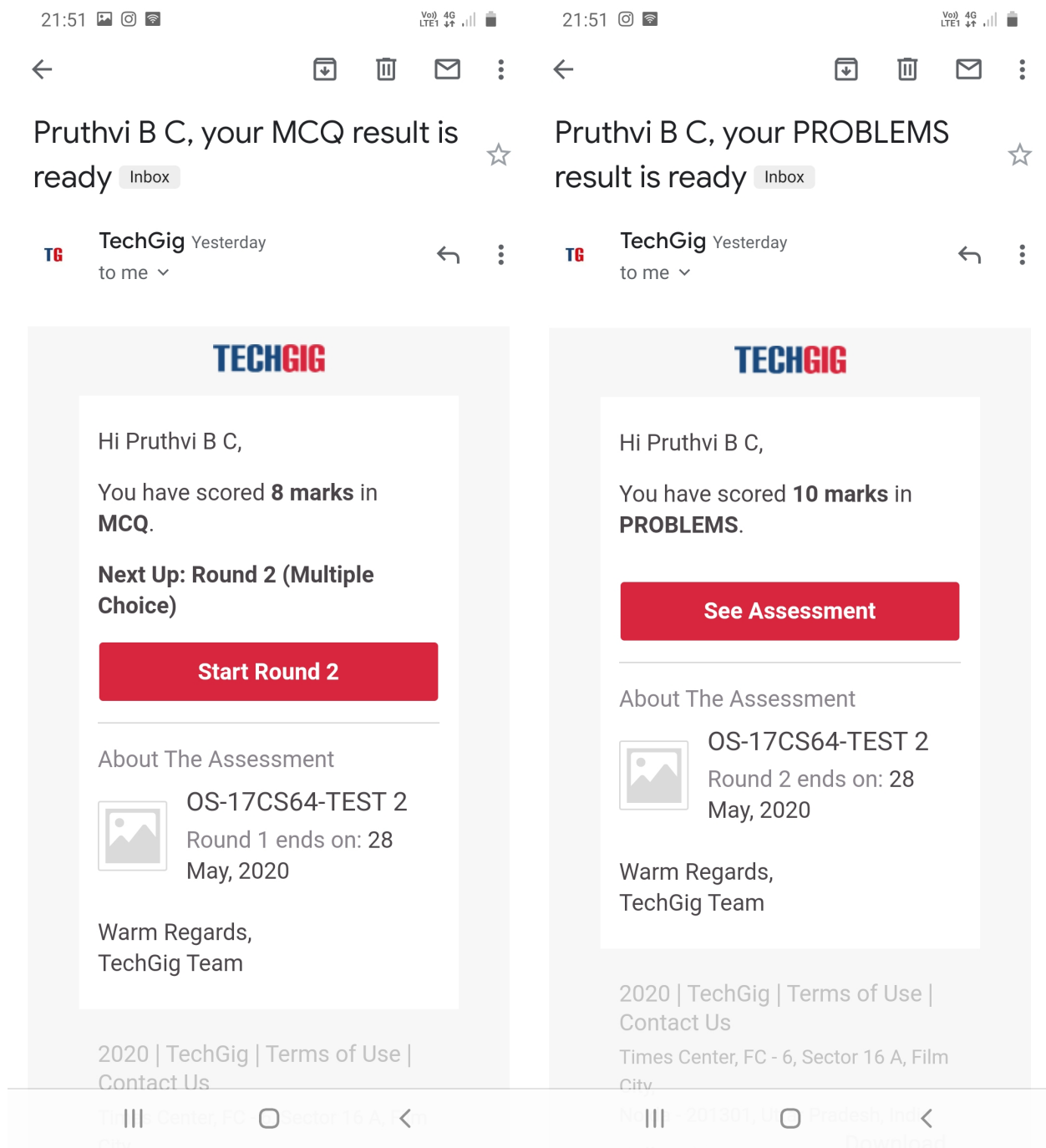
DAILY ONLINE ACTIVITIES SUMMARY

Date:	28-05-2020	Name:	Pruthvi b c
Sem & Sec	6 th - B	USN:	4AL17CS123
Online Test Summary			
Subject	OS test-2		
Max. Marks	30	Score	18
Certification Course Summary			
Course	Machine learning with python		
Certificate Provider	Great learning academy	Duration	4hrs
Coding Challenges			
Problem Statement: 1 java ,1 Python, 2 JSP and 1 C++ program			
Status: executed			
Uploaded the report in Github		Yes	
If yes Repository name		https://github.com/Pruthvi-au/reddy	
Uploaded the report in slack		Yes	

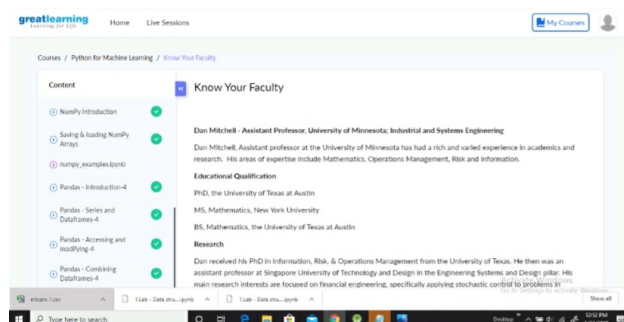
Online Test Details: (Attach the snapshot and briefly write the report for the same)

IA of OS





Certification Course Details: (Attach the snapshot and briefly write the report for the same)



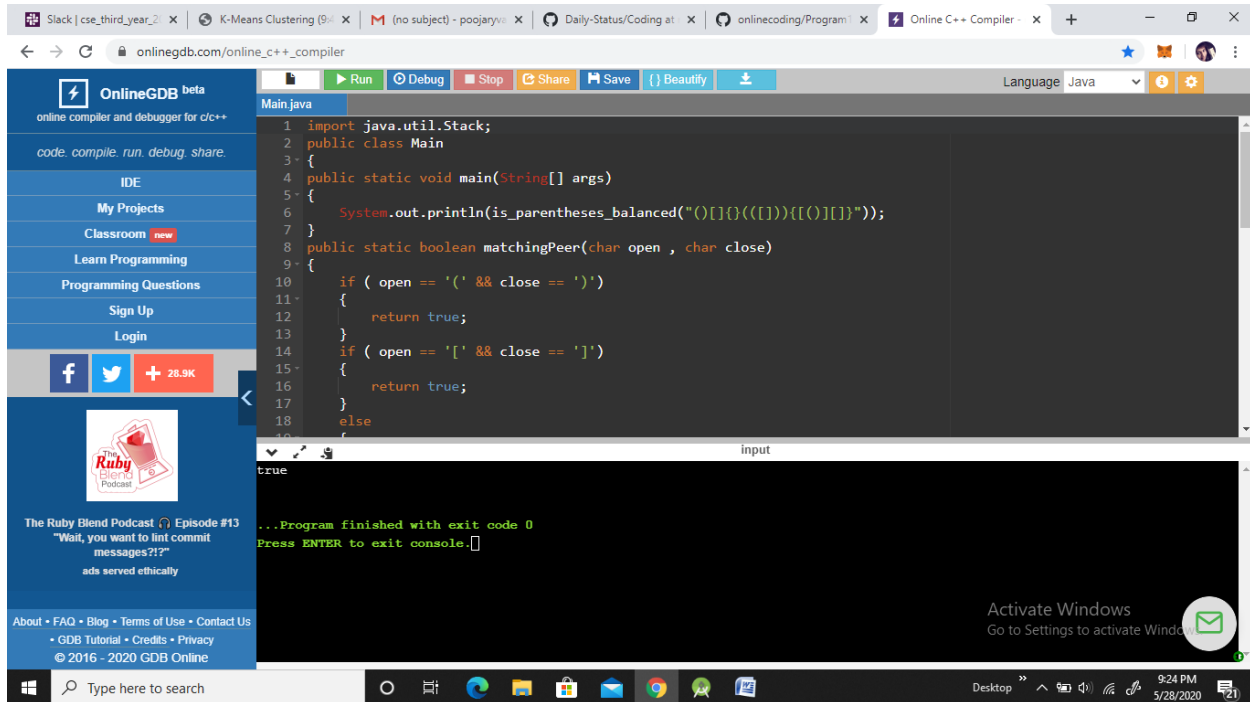
Coding Challenges Details: (Attach the snapshot and briefly write the report for the same)

Problem statements are available in the Github:

<https://github.com/Pruthvi-au/reddy>

OUTPUT SCREEN-SHOTS:

Program 1:



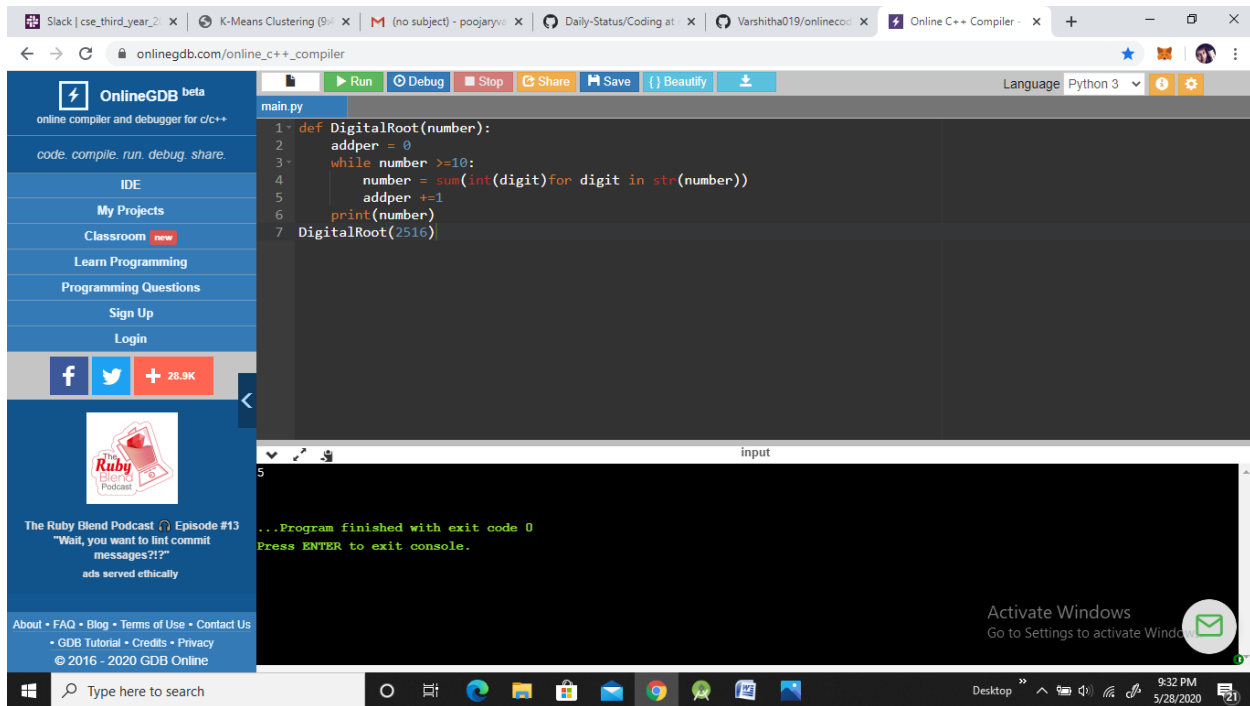
The screenshot shows the OnlineGDB website interface. The left sidebar contains navigation links like 'IDE', 'My Projects', 'Classroom', 'Learn Programming', 'Programming Questions', 'Sign Up', and 'Login'. The main area displays a Java code editor with the following code:

```
1 import java.util.Stack;
2 public class Main
3 {
4     public static void main(String[] args)
5     {
6         System.out.println(is_parentheses_balanced("(){}((())){}(){}"));
7     }
8     public static boolean matchingPeer(char open , char close)
9     {
10        if ( open == '(' && close == ')')
11        {
12            return true;
13        }
14        if ( open == '[' && close == ']')
15        {
16            return true;
17        }
18        else
19        {
20            return false;
21        }
22    }
23 }
```

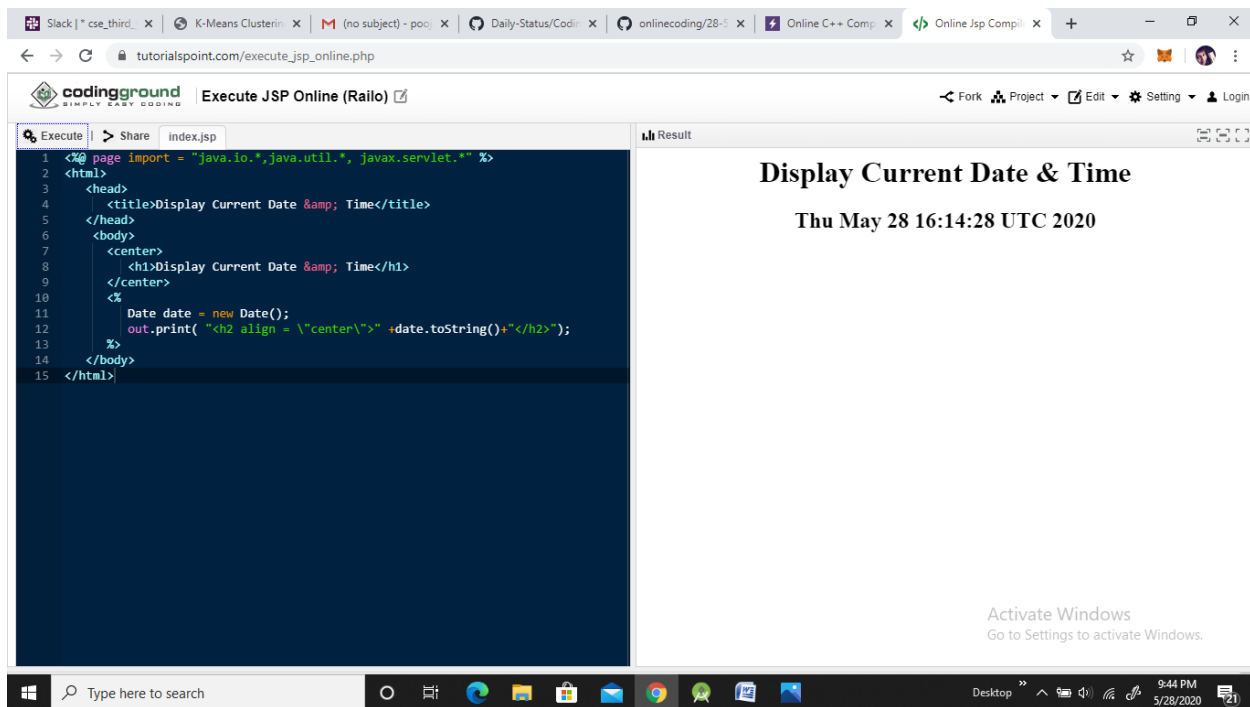
The output console shows the result of the program execution:

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

Program 2:



Program 3:



Program 4:

The screenshot shows a web browser window with the URL `tutorialspoint.com/execute_jsp_online.php`. The page title is "Execute JSP Online (Railo)". The interface is split into two main sections: a code editor on the left and a result/output area on the right.

Code Editor (Left): The code is a JSP page named `index.jsp`. It uses the `page` directive to import `java.io.*` and `java.util.*`. The code implements a hit counter using the `application` object. It checks if `hitsCount` is null or zero. If so, it prints "Welcome to my website!" and increments the counter. Otherwise, it prints "Welcome back to my website!" and increments the counter. The final output is "Total number of visits: 19".

```

1 <%@ page import = "java.io.*, java.util.*" %>
2 <html>
3 <head>
4 <title>Application object in JSP</title>
5 </head>
6 <body>
7 <%
8     Integer hitsCount = (Integer)application.getAttribute("hitCounter");
9     if( hitsCount ==null || hitsCount == 0 ) {
10         /* First visit */
11         out.println("Welcome to my website!");
12         hitsCount = 1;
13     } else {
14         /* return visit */
15         out.println("Welcome back to my website!");
16         hitsCount += 1;
17     }
18     application.setAttribute("hitCounter", hitsCount);
19 %>
20 <center>
21 <p>Total number of visits: <%= hitsCount%></p>
22 </center>
23 </body>
24 </html>

```

Result (Right): The output area displays "Welcome back to my website!" and "Total number of visits: 19".

Program 5:

The screenshot shows the OnlineGDB beta website. The left sidebar contains navigation links like "My Projects", "Classroom", "Learn Programming", and "Sign Up". The main area displays a C++ program for finding the sum of array elements modulo `k`.

Code Editor (Main): The code is in a file named `main.cpp`. It includes `<iostream>` and uses the `std` namespace. It defines a function `find_value` that takes an array `a`, its size `n`, and a value `k`. It calculates the sum of the array elements and returns the sum modulo `k`.

```

1 #include <iostream>
2 using namespace std;
3
4 int find_value(int a[], int n, int k)
5 {
6     int sum = 0;
7
8     for (int i = 0; i < n; i++) {
9         sum += a[i];
10     }
11     return sum % k;
12 }
13
14 int main()
15 {
16     // ... (input handling)
17 }

```

Output (Bottom): The output shows the program finished with exit code 0. The console output is: "...Program finished with exit code 0. Press ENTER to exit console."