DAILY ONLINE ACTIVITIES SUMMARY

Date:	**13-06-2020**	**Name:**	**Chetana H**
Sem & Sec	**VI A**	**USN:**	**4AL17CS021**

Online Test Summary

Subject	**PAP TEST**		
Max. Marks	**30**	**Score**	**29**

Certification Course Summary

Course	**DATA SCIENCE WITH PYTHON**		
Certificate Provider	**GreatLearning**	**Duration**	**10.5hr**

Coding Challenges

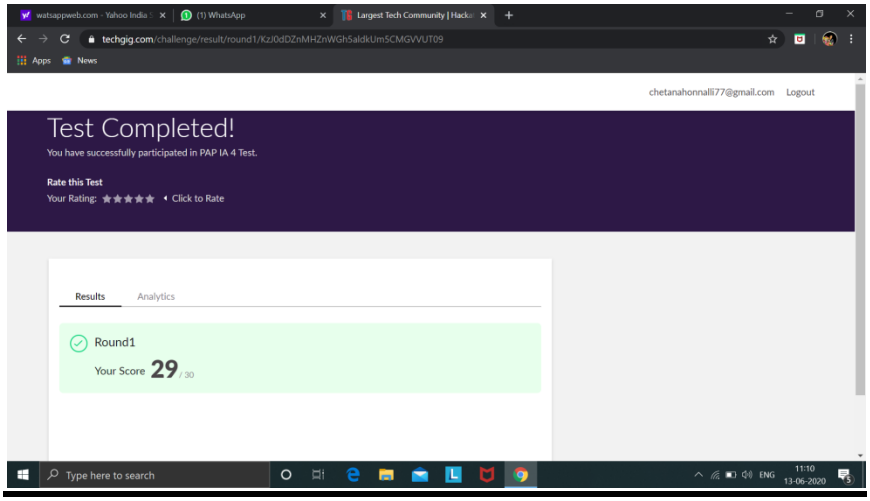
Problem Statement:

1.Using methods charAt() & length() of String class, write a program to print thefrequency ofeach character in a string.

2.Write down a java program to print even and odd numbers series respectivelyfrom twothreads: t1 and t2 synchronizing on a shared object
Let t1 print message "ping — >" and t2 print message ",—-pong".

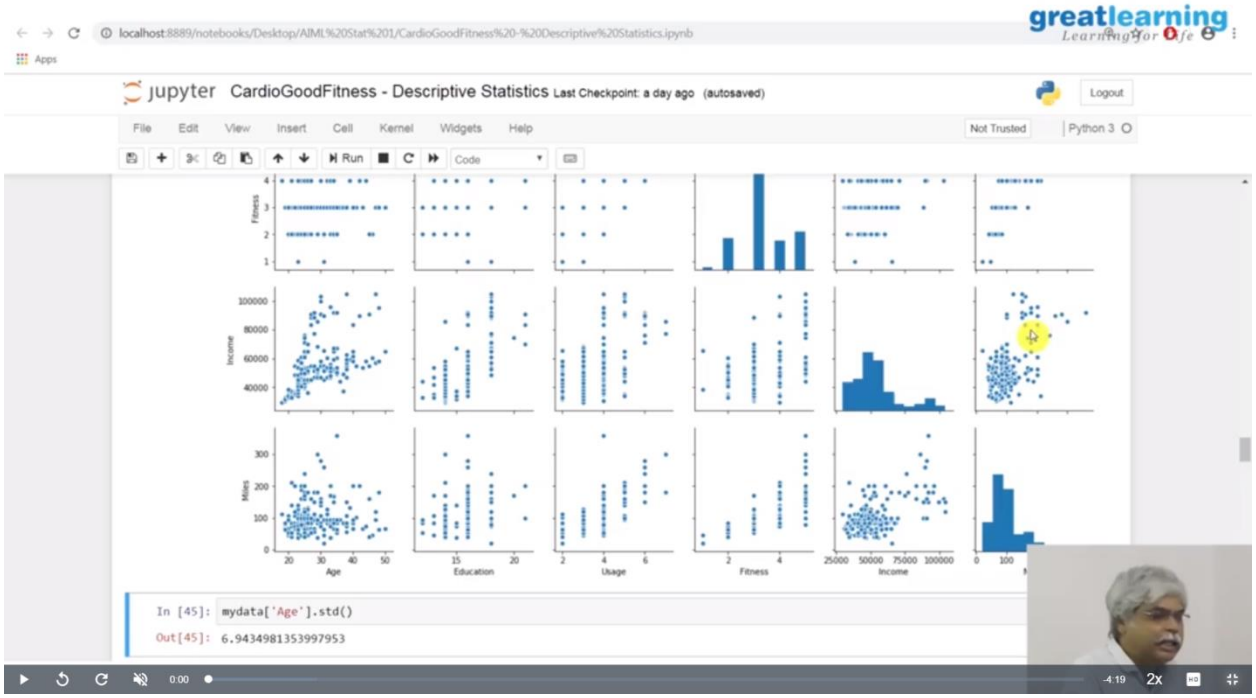
Status:Completed,executed

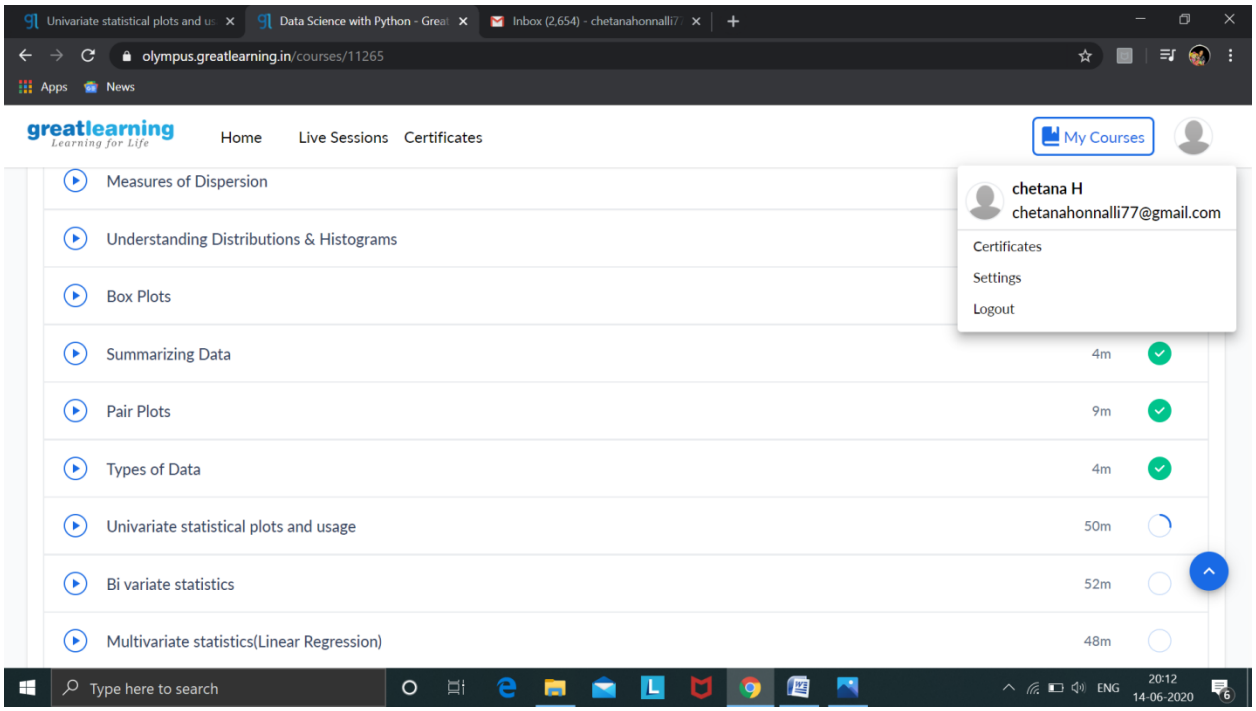
Uploaded the report in Github	**Yes**
If yes Repository name	https://github.com/chetana-H/certification-and-online-coding
Uploaded the report in slack	**Yes**



Online Certification Details

Modules completed: Types of Data





Coding Challenge Details

1. **Prog1:**Python Program to print the pattern.

Description:

Input:Number of rows is 5

Output Pattern is:

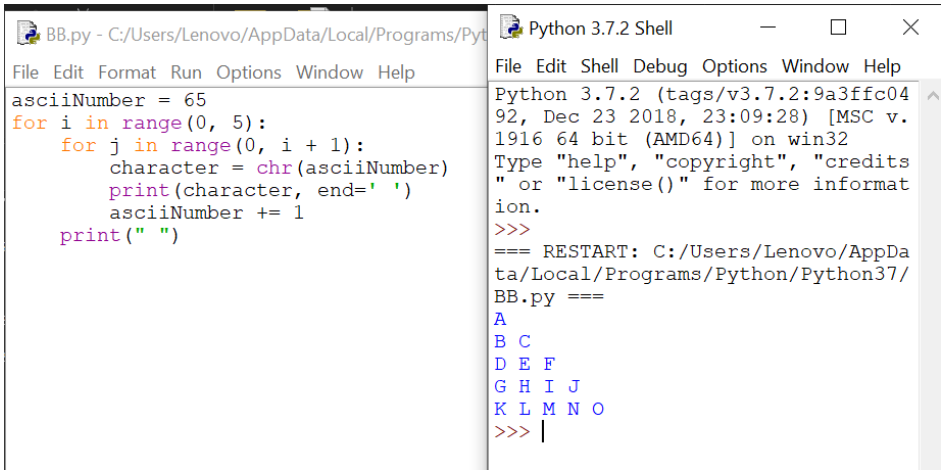
A

B C

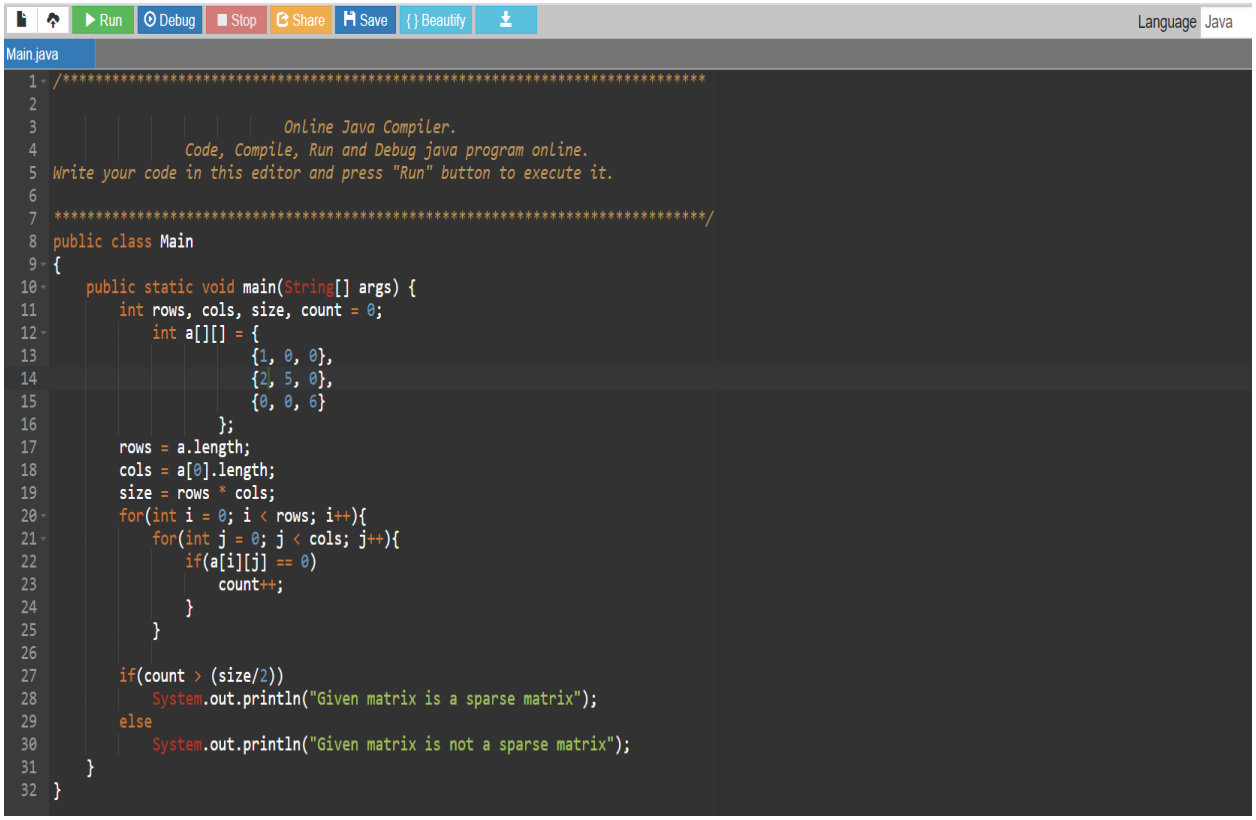
D E F

G H I J

K L M N O



2. **Prog 2:**Write a Java Program to determine whether a given matrix is a sparse matrix.



```
input
Given matrix is a sparse matrix


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

Prog 3: Write a C program to calculate Electricity Bill.

Description:Given an integer U denoting the amount of KWh units of electricity consumed, the task is to calculate the electricity bill with the help of the below charges:

- 1 to 100 units – Rs. 10/- Per Unit
- 100 to 200 units – Rs. 15/- Per Unit
- 200 to 300 units – Rs. 20/- Per Unit
- above 300 units – Rs. 25/- Per Unit

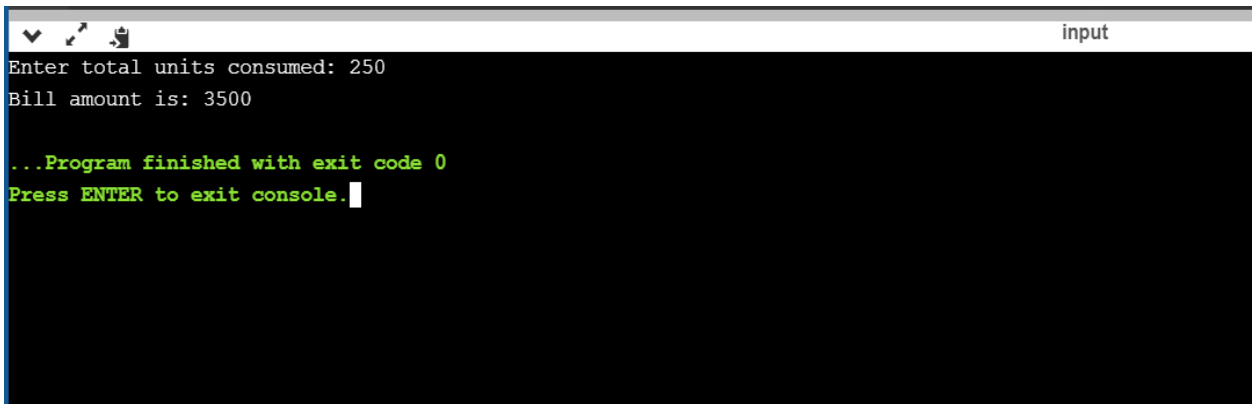
Run | Debug | Stop | Share | Save | { } Beautify | Language C

main.c

```c
/******************************************************************************

Welcome to GDB Online.
GDB online is an online compiler and debugger tool for C, C++, Python, Java, PHP, Ruby, Perl,
C#, VB, Swift, Pascal, Fortran, Haskell, Objective-C, Assembly, HTML, CSS, JS, SQLite, Prolog.
Code, Compile, Run and Debug online from anywhere in world.

*******************************************************************************/
#include <stdio.h>
#include <stdlib.h>
int main()
{
    int unit;
      printf("Enter total units consumed: ");
      scanf("%d",&unit);
      if(unit<=100)
      {
           printf("Bill amount is: ");
          printf("%d",unit*10);
}
  else if(unit<=200)
{
       printf("Bill amount is: ");
      printf("%d",(100*10)+(unit-100)*15);
}
else if(unit<=300)
{
    printf("Bill amount is: ");
    printf("%d",(100*10)+(100*15)+(unit-200)*20);
}
else
{
    printf("Bill amount is: ");
    printf("%d",(100*10)+(100*15)+(100*20)+(unit-300)*25);
}
return 0;
}
```


input
Enter total units consumed: 250
Bill amount is: 3500
...Program finished with exit code 0
Press ENTER to exit console.