DAILY ONLINE ACTIVITIES SUMMARY

Date:	**18 May 2020**	**Name:**	**Rani M.D**
Sem & Sec	**6th sem & B sec**	**USN:**	**4AL17CS075**

Online Test Summary

Subject	**Cryptography Network Security & Cyber Laws**		
Max. Marks	**60**	**Score**	**44**

Certification Course Summary

Course	**Machine Learning with python**		
Certificate Provider	**Congnitive Class**	**Duration**	**10 hours**

Coding Challenges

1. **Problem Statement:** Using methods charAt() & length() of String class, write a program to print the
   frequency of each character in a string.

"Hello friend"

Output should be
-: 1
d: 1
e: **2**
f: 1
(continued for all character in the string)

2. Write down a java program to print even and odd numbers series respectively
   from two threads: t1 and t2 synchronizing on a shared object

Let t1 print message "ping — >" and t2 print message ",—-pong".

Take as command line arguments, the following inputs to the program:
Sleep Interval for thread t1
Write down a java program to print even and odd numbers series respectively from two threads: t1 and t2 synchronizing on a shared object

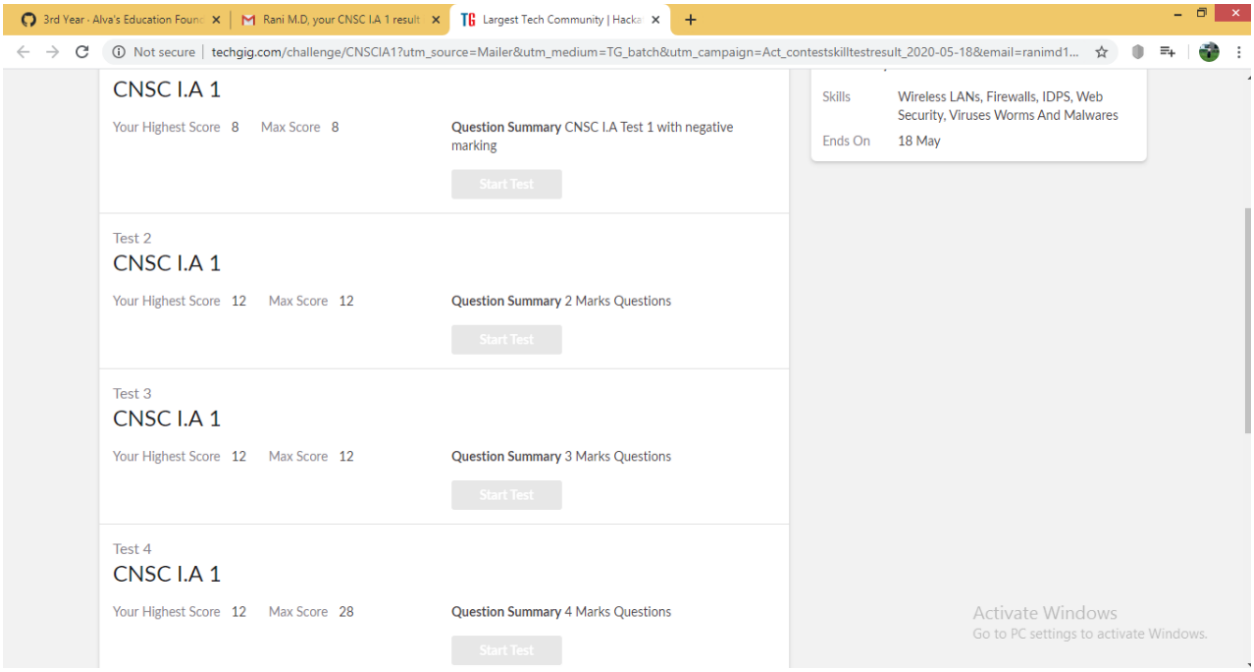
```
Let t1 print message “ping – >” and t2 print message “,—-pong”.

Take as command line arguments, the following inputs to the program:
Sleep Interval for thread t1
Sleep Interval for thread t2
Message per cycle
No of cycles
```

Status: DONE

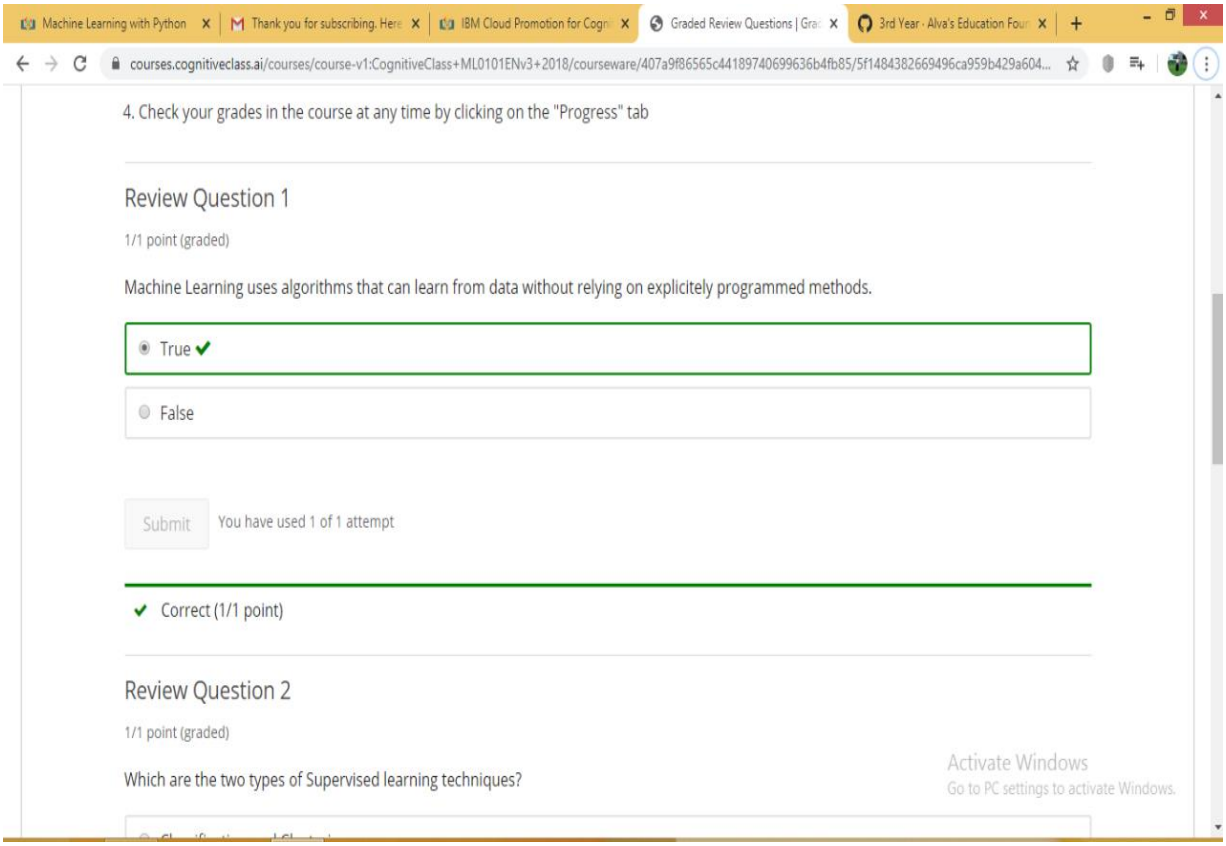
Uploaded the report in Github	**YES**
If yes Repository name	**DAILY STATUS,QUARENTINE CODING,PYTHON CERTIFICATION COURSE**
Uploaded the report in slack	**yes**

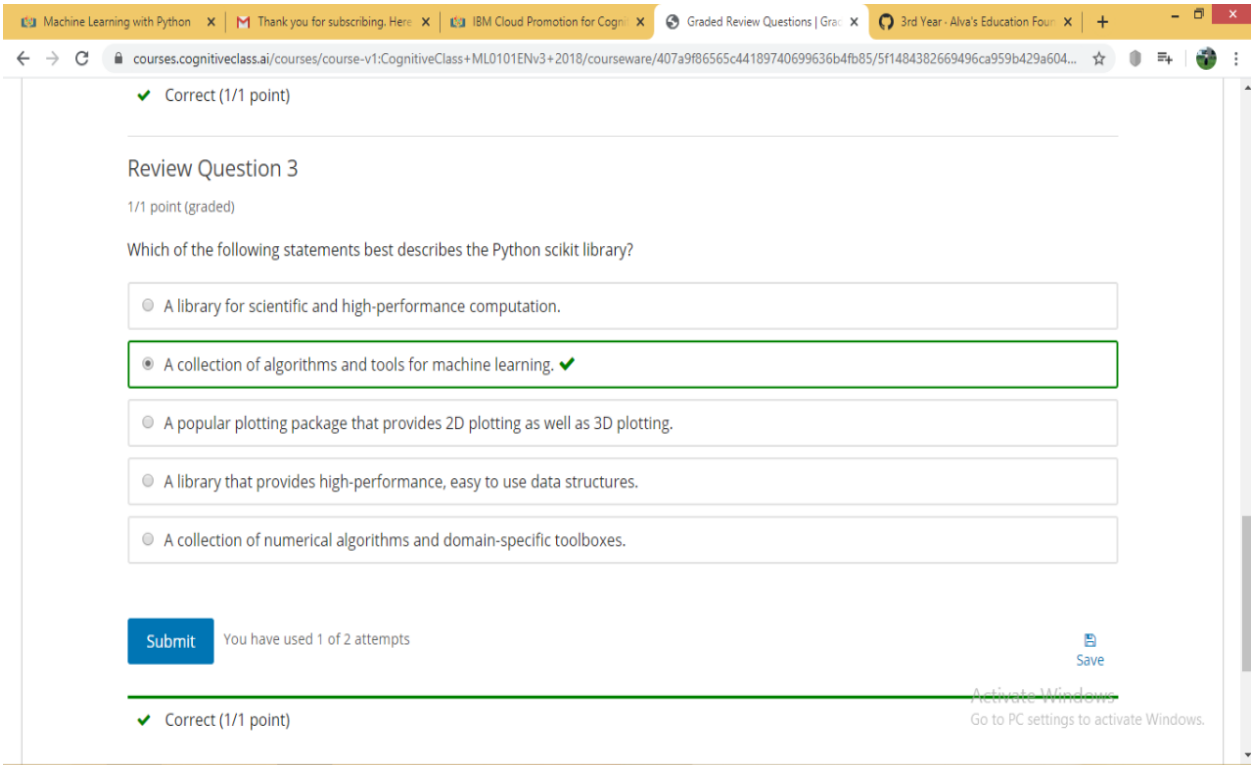
Online Test Details: (Attach the snapshot and briefly write the report for the same)



CNSC test was held today i.e 18 May 2020. There were four rounds where each round carried 8,12,12,28 marks respectively. Out of 60 marks I scored 44

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

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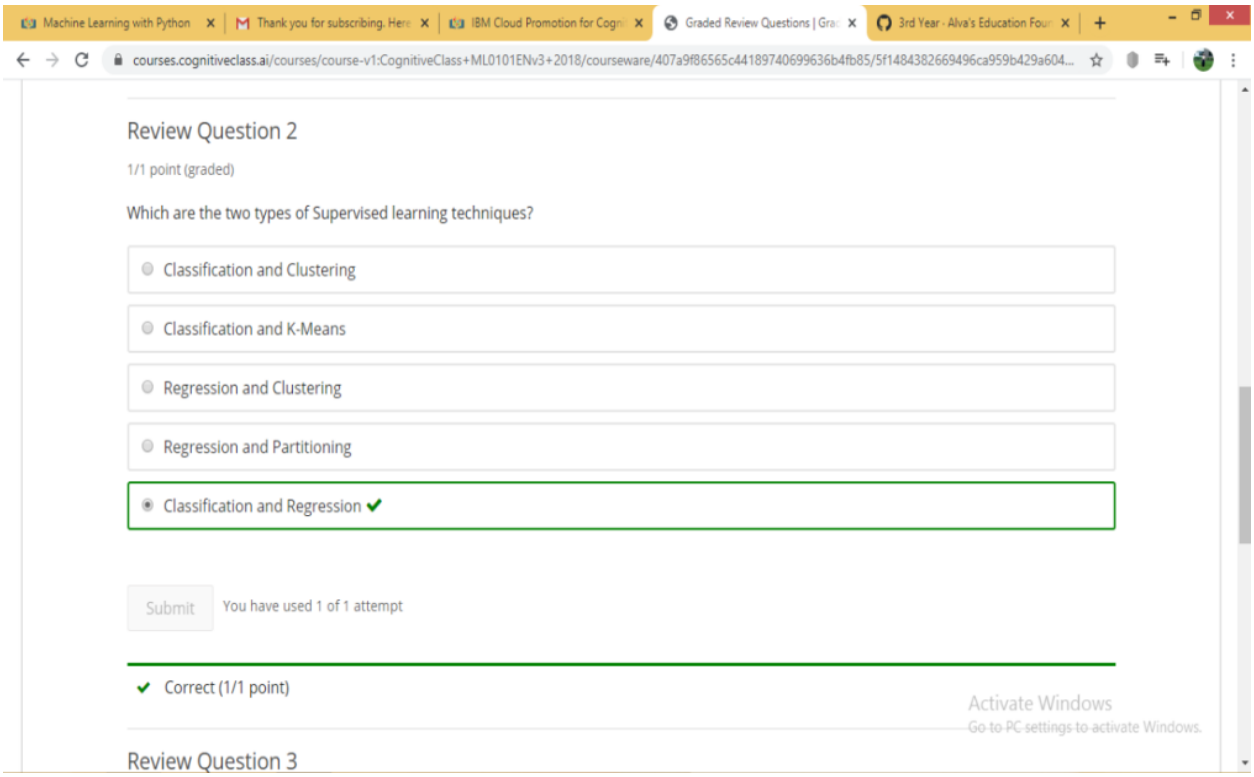
Correct (1/1 point)
Review Question 3
1/1 point (graded)
Which of the following statements best describes the Python scikit library?
A library for scientific and high-performance computation.
A collection of algorithms and tools for machine learning.
A popular plotting package that provides 2D plotting as well as 3D plotting.
A library that provides high-performance, easy to use data structures.
A collection of numerical algorithms and domain-specific toolboxes.
Submit
You have used 1 of 2 attempts
Save
Correct (1/1 point)
Activate Windows
Go to PC settings to activate Windows.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Review Question 2
1/1 point (graded)
Which are the two types of Supervised learning techniques?
Classification and Clustering
Classification and K-Means
Regression and Clustering
Regression and Partitioning
Classification and Regression
Submit
You have used 1 of 1 attempt
Correct (1/1 point)
Activate Windows
Go to PC settings to activate Windows.
Review Question 3

DAY 1 (18-05-2020)- INTRODUCTION ,GENERAL OBJECTIVES ,MODULE 1 MACHINE LEARNING AND REVIEW QUESTIONS ARE COMPLETED

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

Program 1

```
import java.util.Scanner;
 public class Main
{
  public static void main(String args[])
  {
      int i;
      String str;
      int counter[] = new int[256];
      Scanner in = new Scanner(System.in);
      System.out.print("Enter a String : ");
      str=in.nextLine();
      for (i = 0; i < str.length(); i++) {
         counter[(int) str.charAt(i)]++;
      }
      for (i = 0; i < 256; i++) {
         if (counter[i] != 0) {
              System.out.println( (char) i  + ":" +counter[i]);
         }
      }
  }
```

```
}
```

Program 2

```
class OddThread extends Thread
{
int limit;
sharedPrinter printer;
public OddThread(int limit, sharedPrinter printer)
{
this.limit = limit;
this.printer = printer;
}
@Override
public void run()
{
int oddNumber = 1;
while (oddNumber <= limit)
{
printer.printOdd(oddNumber);
oddNumber = oddNumber + 2;
}
}
}

class EvenThread extends Thread
{
```

```
int limit;
sharedPrinter printer;
public EvenThread(int limit, sharedPrinter printer)
{
this.limit = limit;
this.printer = printer;
}
@Override
public void run()
{
int evenNumber = 2;
while (evenNumber <= limit)
{
printer.printEven(evenNumber);
evenNumber = evenNumber + 2;
}
}
}
class sharedPrinter
{

boolean isOddPrinted = false;



synchronized void printOdd(int number)
```

```
{
while (isOddPrinted)
{
try
{
wait();
}
catch (InterruptedException e)
{
e.printStackTrace();
}
}
System.out.println(Thread.currentThread().getName()+" "+number);
isOddPrinted = true;
try
{
Thread.sleep(1000);
}
catch (InterruptedException e)
{
e.printStackTrace();
}
notify();
}
```

```
synchronized void printEven(int number)
{
while (! isOddPrinted)
{
try
{
wait();
}
catch (InterruptedException e)
{
e.printStackTrace();
}
}
System.out.println(Thread.currentThread().getName()+" "+number);
isOddPrinted = false;
try
{
Thread.sleep(1000);
}
catch (InterruptedException e)
{
e.printStackTrace();
}
notify();
}
```

```
}
public class Main
{
public static void main(String[] args)
{
sharedPrinter printer = new sharedPrinter();
OddThread oddThread = new OddThread(20, printer);
oddThread.setName("—-pong");
EvenThread evenThread = new EvenThread(20, printer);
evenThread.setName("ping — >");
oddThread.start();
evenThread.start();
}
}
```