DAILY ONLINE ACTIVITIES SUMMARY

Date:	**22 May 2020**	**Name:**	**Asha Rudrappa Totagi**
Sem& Sec	**6thsem& A sec**	**USN:**	**4AL17CS015**

Online Test Summary

Subject	**Operating Research**		
Max. Marks	**30**	**Score**	**30**

Certification Course Summary

Course	**Machine Learning with python**		
Certificate Provider	**Congnitive Class**	**Duration**	**6 hours**

Coding Challenges

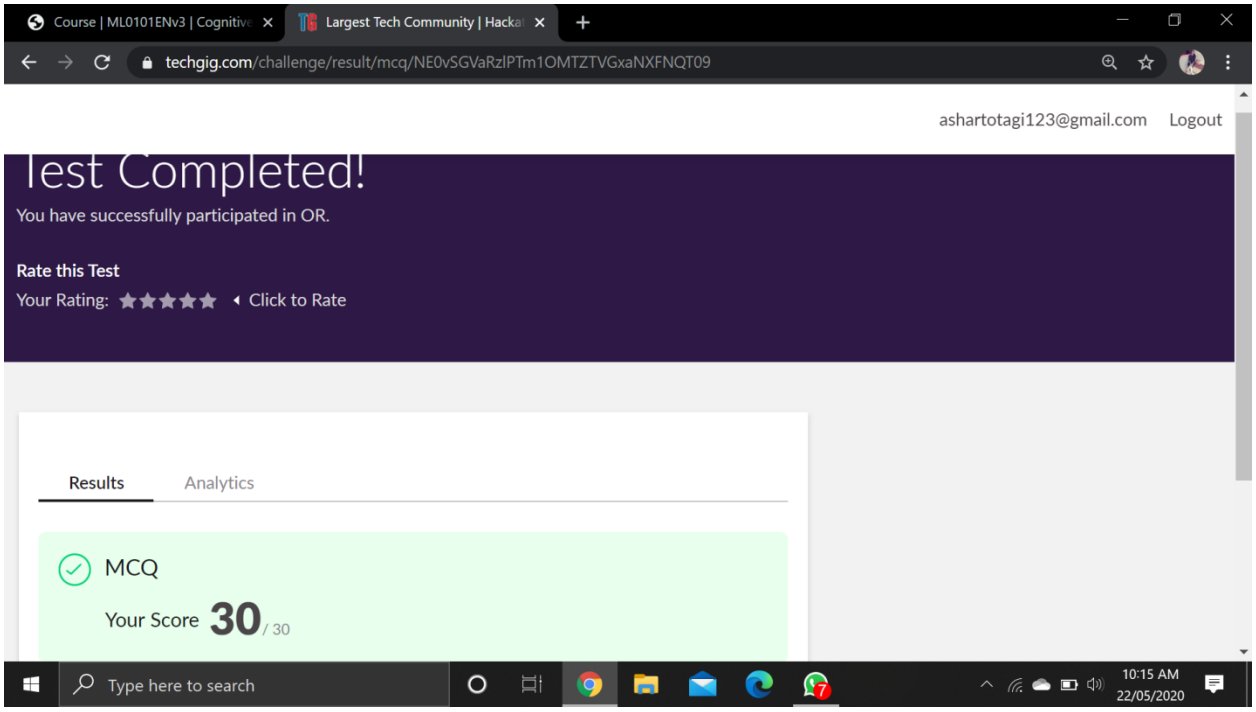
Problem Statement
Program 1: Write a Java Program to separate the Individual Characters from a String

Program 2: Java program to find largest and smallest word

Status: DONE

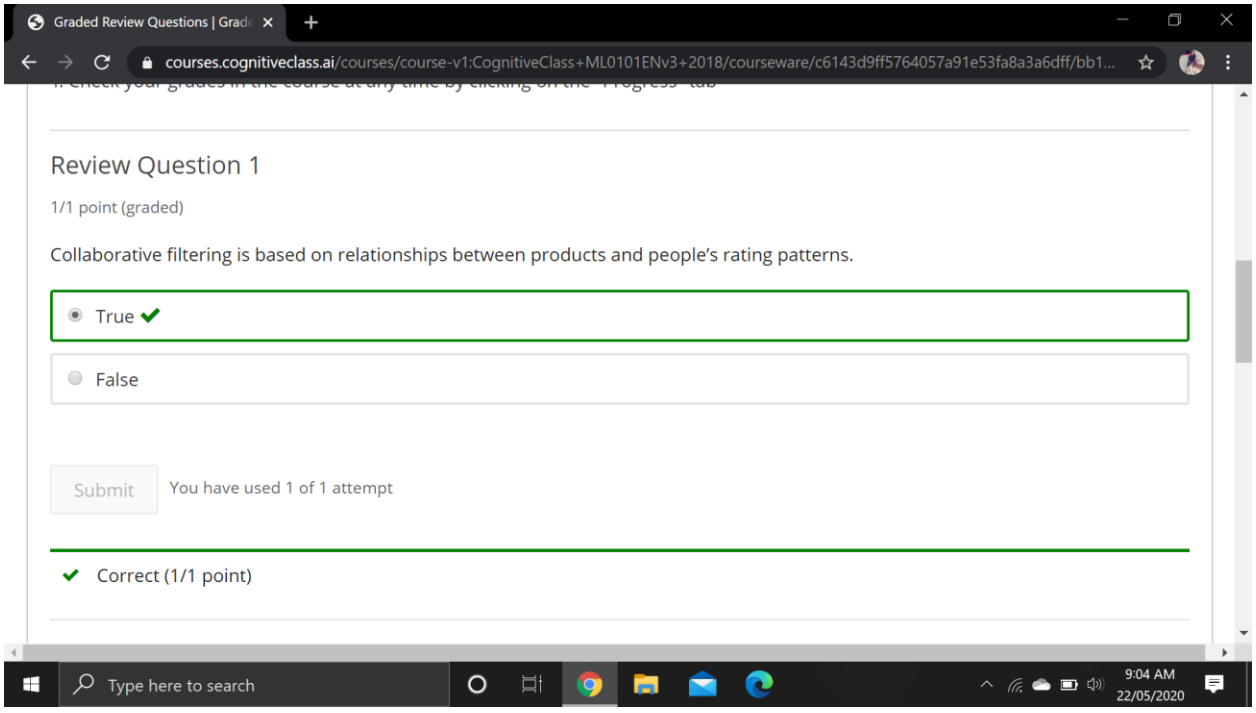
Uploaded the report in Github	**YES**
If yes Repository name	**Daily Status**
Uploaded the report in slack	**YES**

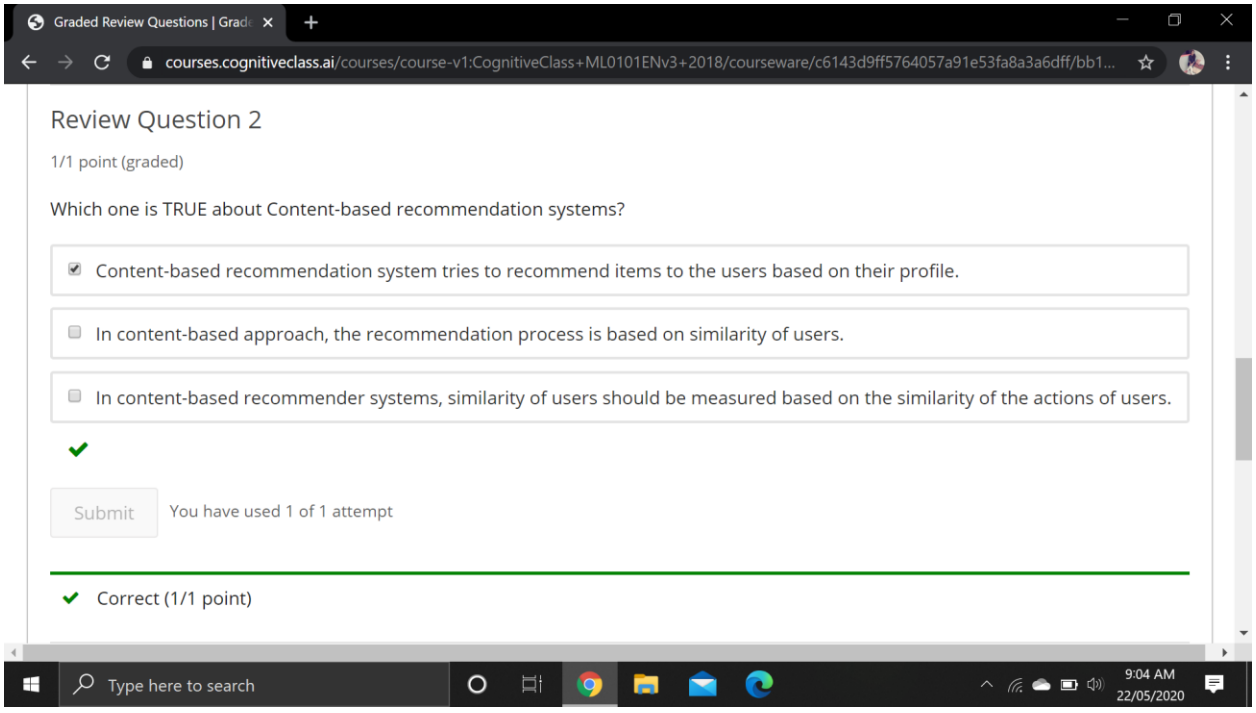
Online Test Details: (Attach the snapshot and briefly write the report for the same)

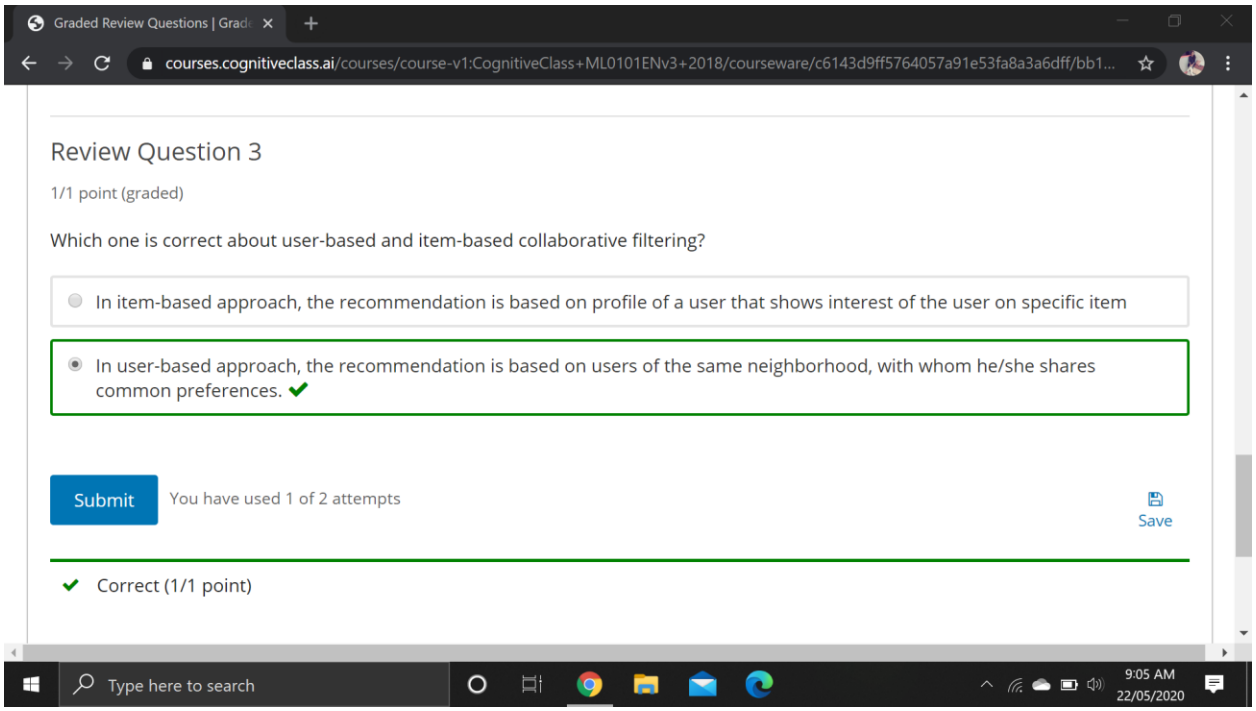


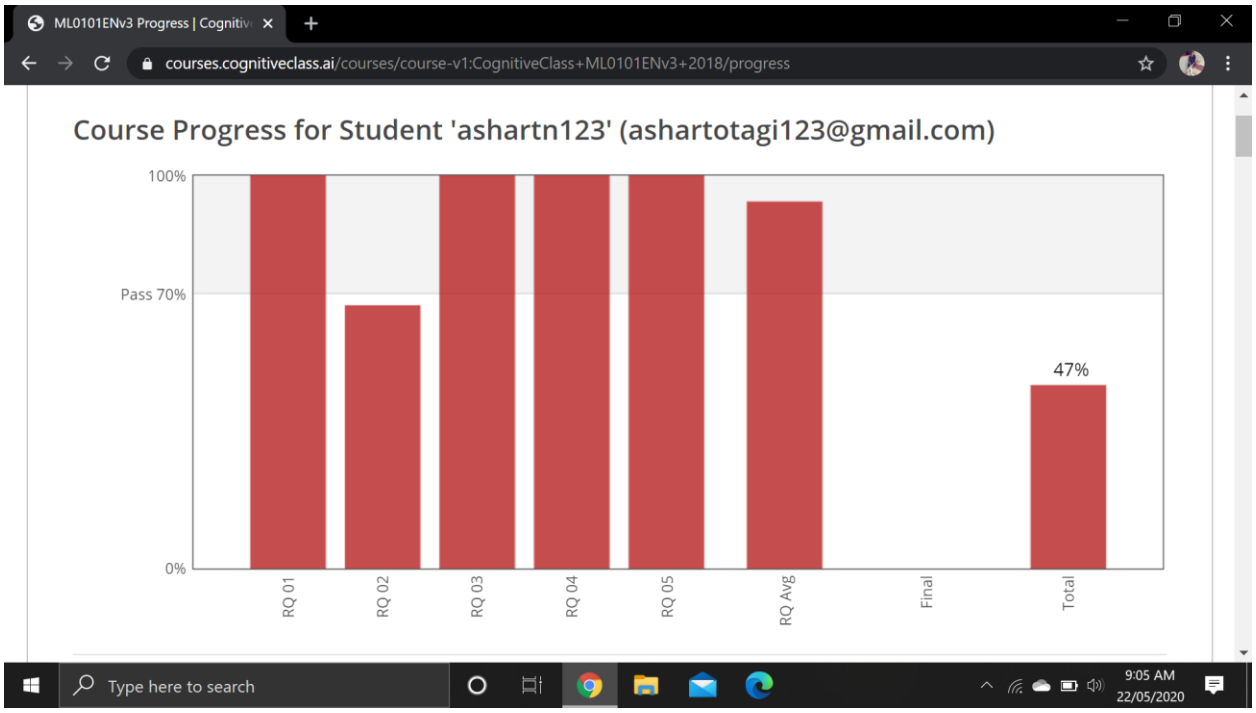
OR IA test was held today i.e, 20 May 2020. There were three rounds where each round carried 20,5, 5 marks respectively. Out of 30 marks I scored 30

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









DAY5 (21-05-2020) - The purpose and mechanism of recommendation systems, Introduction about different types of recommender systems, Implementation of recommender system on a real dataset.

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

Program 1:

```
import java.util.*;
public class Main
{
   public static void main(String[] args) {
      Scanner sc=new Scanner(System.in);
      System.out.println("Enter the string:");
      String string = sc.nextLine();

      //Displays individual characters from given string
      System.out.println("Individual characters from given string:");

      //Iterate through the string and display individual character
      for(int i = 0; i < string.length(); i++){
         System.out.print(string.charAt(i) + "  ");
      }
   }
}
```

Program 2:

```
import java.io.*;
import java.util.*;

public class Main{
   // Method to split the string and find the largest and smallest word
   static void printLargestAndSmallestWord(String str){
      String[] arr=str.split(" ");
      int i=0;
      int maxlength,minlength;
      maxlength=Integer.MIN_VALUE;
      minlength=Integer.MAX_VALUE;
      String largest,smallest;
      largest = smallest = "";
      for(i=0;i<arr.length;i++){
```

```
            if(arr[i].length() < minlength){
                smallest=arr[i];
                minlength=arr[i].length();
            }
            if(arr[i].length() > maxlength) {
                largest=arr[i];
                maxlength=arr[i].length();
            }
        }
        System.out.println("The largest and smallest word is \"" + largest +
                                        "\" and \"" + smallest + "\"");
    }
    // Main function to read the string
    public static void main(String[] args) {
        Scanner sc=new Scanner(System.in);
        System.out.println("Enter the text string");
        String str;
        str=sc.nextLine();
        printLargestAndSmallestWord(str);
    }
}
```