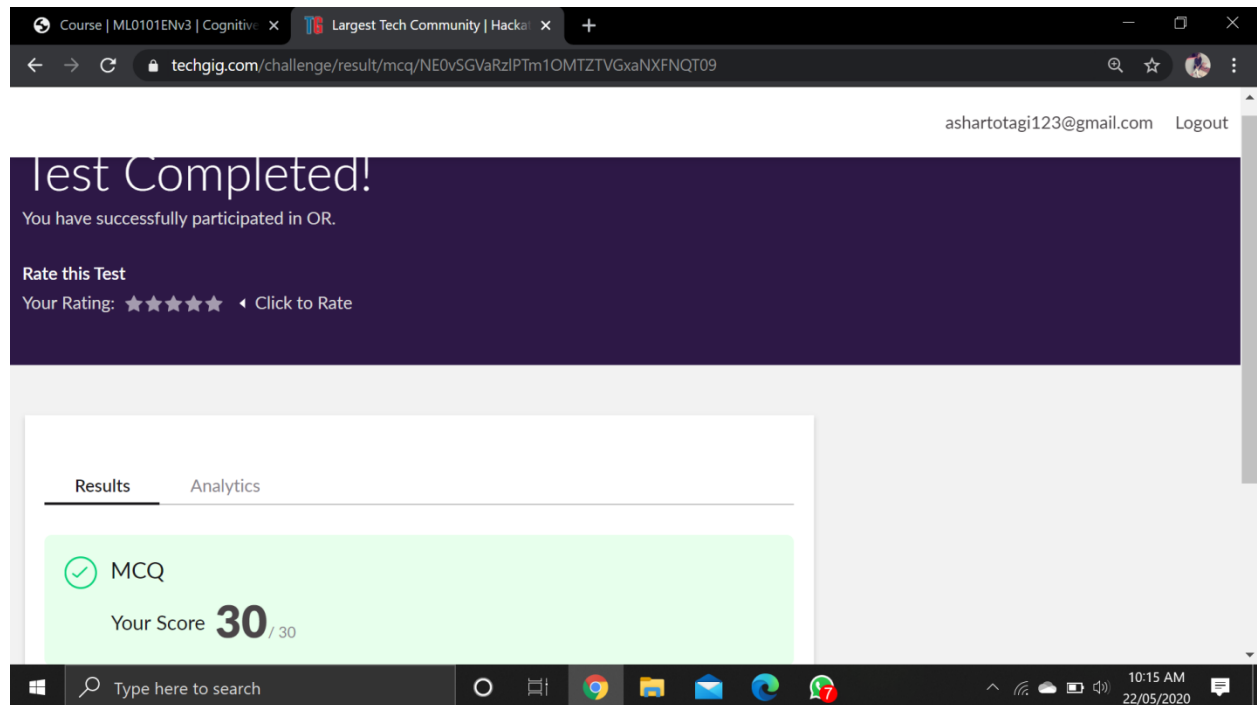


DAILY ONLINE ACTIVITIES SUMMARY

Date:	22 May 2020	Name:	Asha Rudrappa Totagi
Sem& Sec	6 th sem& 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	Cognitive 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)

The screenshot shows a web browser window with the address bar displaying `courses.cognitiveclass.ai/courses/course-v1:CognitiveClass+ML0101ENV3+2018/courseware/c6143d9ff5764057a91e53fa8a3a6dff/bb1...`. The page content includes the text "Check your grades in the course at any time by clicking on the 'Progress' tab" and "Review Question 1" with a value of "1/1 point (graded)". The question text is "Collaborative filtering is based on relationships between products and people's rating patterns." Below this, there are two radio button options: "True" (which is selected and marked with a green checkmark) and "False". A "Submit" button is present, and a message states "You have used 1 of 1 attempt". At the bottom of the question area, a green checkmark and the text "Correct (1/1 point)" are displayed. The Windows taskbar at the bottom shows the search bar, task view icon, and several application icons, with the system clock indicating 9:04 AM on 22/05/2020.

Graded Review Questions | Graded

courses.cognitiveclass.ai/courses/course-v1:CognitiveClass+ML0101ENV3+2018/courseware/c6143d9ff5764057a91e53fa8a3a6dff/bb1...

Check your grades in the course at any time by clicking on the 'Progress' tab

Review Question 1

1/1 point (graded)

Collaborative filtering is based on relationships between products and people's rating patterns.

☒ True ✓

☐ False

Submit You have used 1 of 1 attempt

✓ Correct (1/1 point)

The screenshot shows a web browser window with the same address bar as the first image. The page content includes the text "Check your grades in the course at any time by clicking on the 'Progress' tab" and "Review Question 2" with a value of "1/1 point (graded)". The question text is "Which one is TRUE about Content-based recommendation systems?". Below this, there are three checkbox options: "Content-based recommendation system tries to recommend items to the users based on their profile." (which is selected and marked with a green checkmark), "In content-based approach, the recommendation process is based on similarity of users.", and "In content-based recommender systems, similarity of users should be measured based on the similarity of the actions of users." A "Submit" button is present, and a message states "You have used 1 of 1 attempt". At the bottom of the question area, a green checkmark and the text "Correct (1/1 point)" are displayed. The Windows taskbar at the bottom shows the search bar, task view icon, and several application icons, with the system clock indicating 9:04 AM on 22/05/2020.

Graded Review Questions | Graded

courses.cognitiveclass.ai/courses/course-v1:CognitiveClass+ML0101ENV3+2018/courseware/c6143d9ff5764057a91e53fa8a3a6dff/bb1...

Check your grades in the course at any time by clicking on the 'Progress' tab

Review Question 2

1/1 point (graded)

Which one is TRUE about Content-based recommendation systems?

☒ Content-based recommendation system tries to recommend items to the users based on their profile.

☐ In content-based approach, the recommendation process is based on similarity of users.

☐ In content-based recommender systems, similarity of users should be measured based on the similarity of the actions of users.

Submit You have used 1 of 1 attempt

✓ Correct (1/1 point)

Graded Review Questions | Grad... x +

courses.cognitiveclass.ai/courses/course-v1:CognitiveClass+ML0101ENV3+2018/courseware/c6143d9ff5764057a91e53fa8a3a6dff/bb1...

Review Question 3

1/1 point (graded)

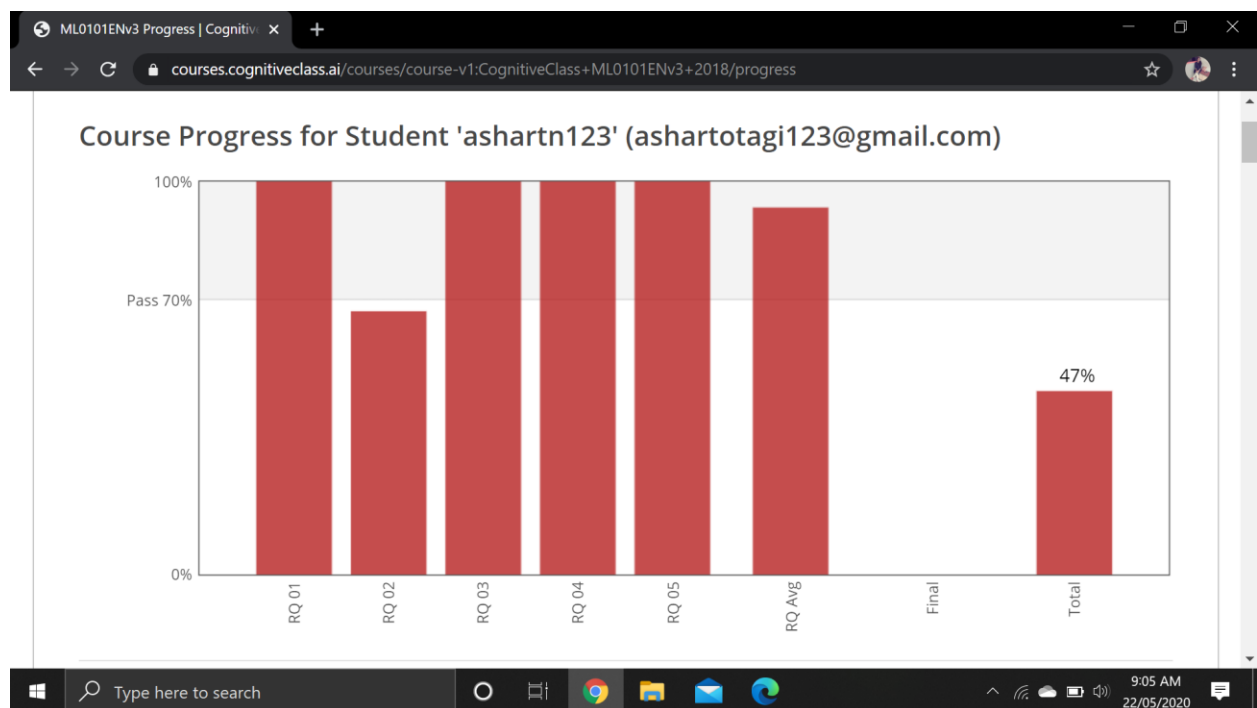
Which one is correct about user-based and item-based collaborative filtering?

- ☐ In item-based approach, the recommendation is based on profile of a user that shows interest of the user on specific item
- ☒ In user-based approach, the recommendation is based on users of the same neighborhood, with whom he/she shares common preferences. ✓

Submit You have used 1 of 2 attempts Save

✓ Correct (1/1 point)

Type here to search 9:05 AM 22/05/2020



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);
}
}

```