

DAILY ONLINE ACTIVITIES SUMMARY

Date:	11-06-2020	Name:	Anvitha Poojary
Sem & Sec	6A	USN:	4AL17CS008
Online Test Summary			
Subject	PAP		
Max. Marks	20	Score	15
Certification Course Summary			
Course	Machine Learning with Python		
Certificate Provider	COGNITIVE CLASS .ai	Duration	12hr
Coding Challenges			
Problem Statement: 1. Write a Java program to find the nodes which are at the maximum distance in a Binary Tree 2. Write a python function that converts a string to all uppercase, provided it contains at least 2 uppercase characters in the first 4 characters. Else print the string as it is			
Status: completed			
Uploaded the report in Github		Yes	
If yes Repository name		https://github.com/anvithapo99/Daily-Report	
Uploaded the report in slack		Yes	

Online test details:

Subject:PAP

techgig.com/challenge/result/round1/TetHWmUyendOQmcwUDgzd1hqbFJxdz09

Test Completed!

You have successfully participated in PAP Assignment 3 Test.

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Your Rating: ★★★★★ Click to Rate

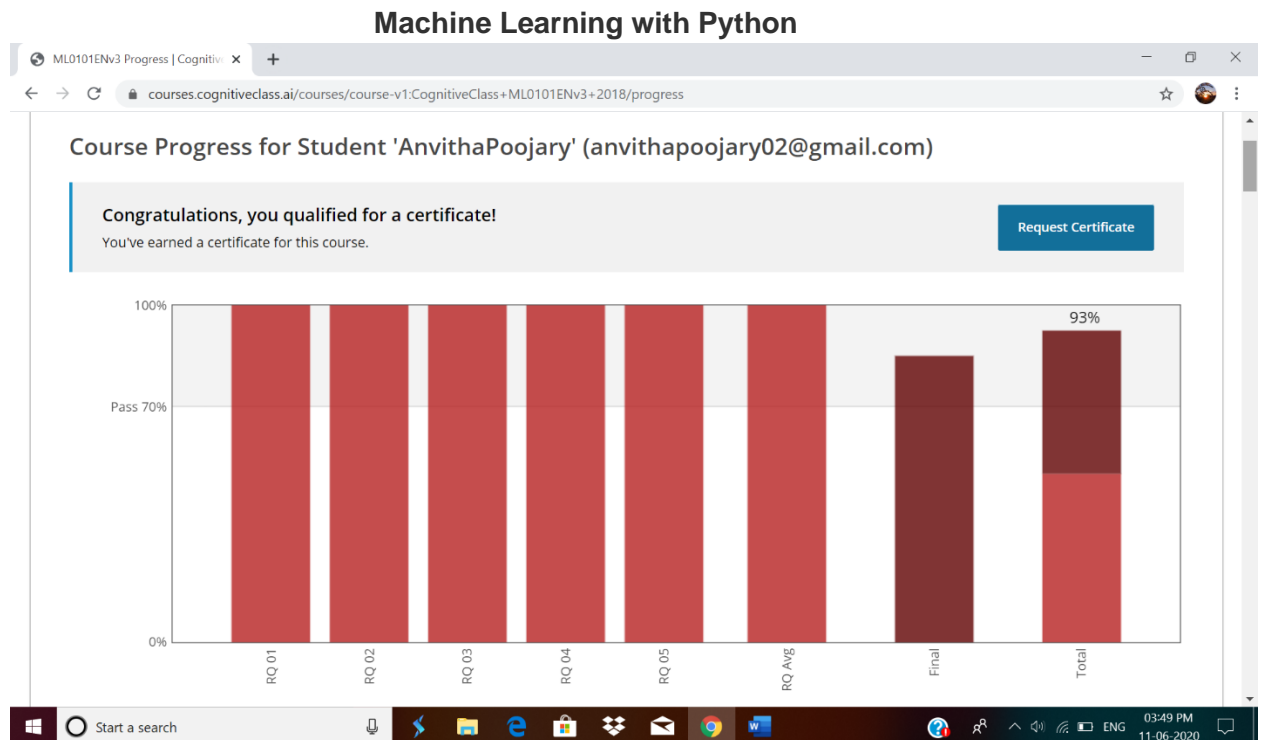
Results Analytics

Round1
Your Score **15** / 20

Start a search

01:26 PM
11-06-2020

Certification course details:



Coding Challenges Details:

1. Write a Java program to find the nodes which are at the maximum distance in a Binary Tree

```
package prog19;
class Node {
    int data;
    Node left, right;

    public Node(int data)
    {
        this.data = data;
        left = right = null;
    }
}

package prog19;

class MaxDistance{
    Node root;

    // Returns the max value in a binary tree
    static int findMax(Node node)
    {
        if (node == null)
            return Integer.MIN_VALUE;

        int res = node.data;
        int lres = findMax(node.left);
        int rres = findMax(node.right);

        if (lres > res)
            res = lres;
        if (rres > res)
            res = rres;
        return res;
    }

    /* Driver program to test above functions */
    public static void main(String args[])
    {
        MaxDistance tree = new MaxDistance();
        tree.root = new Node(2);
    }
}
```

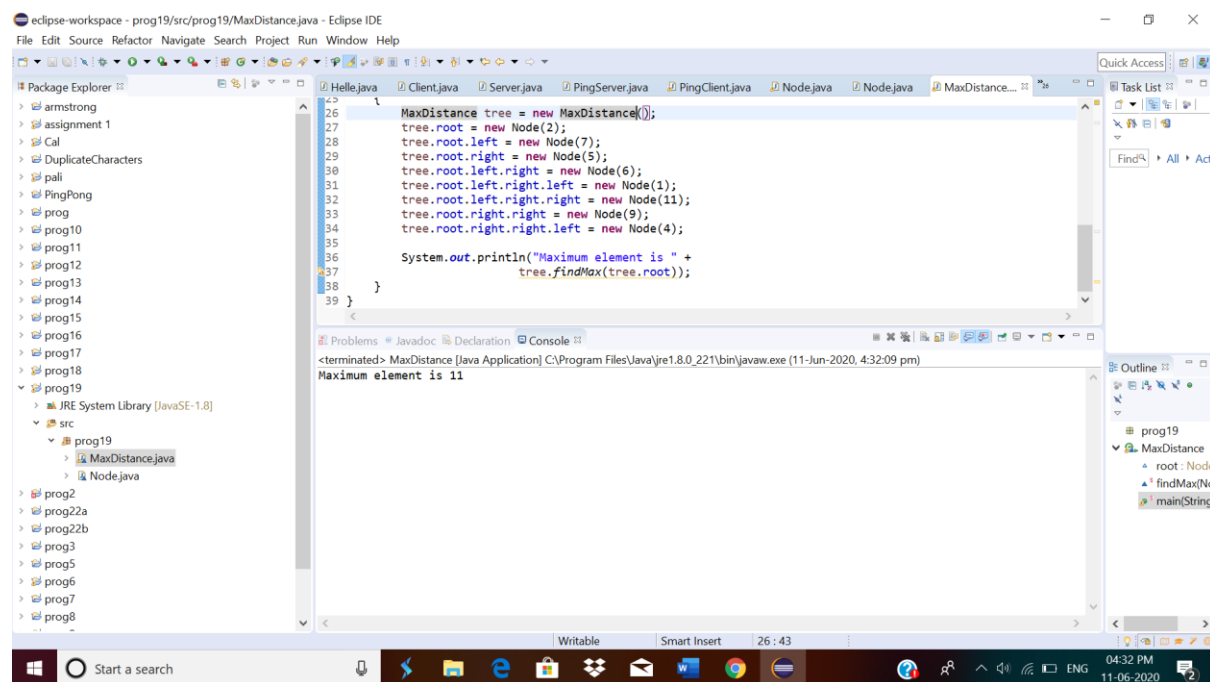
```

        tree.root.left = new Node(7);
        tree.root.right = new Node(5);
        tree.root.left.right = new Node(6);
        tree.root.left.right.left = new Node(1);
        tree.root.left.right.right = new Node(11);
        tree.root.right.right = new Node(9);
        tree.root.right.right.left = new Node(4);

        System.out.println("Maximum element is " +
                           tree.findMax(tree.root));
    }
}

```

Output:



3. Write a python function that converts a string to all uppercase, provided it contains at least 2 uppercase characters in the first 4 characters. Else print the string as it is

1)Input:

Given string is : HeLlo

Output string is: HELLO

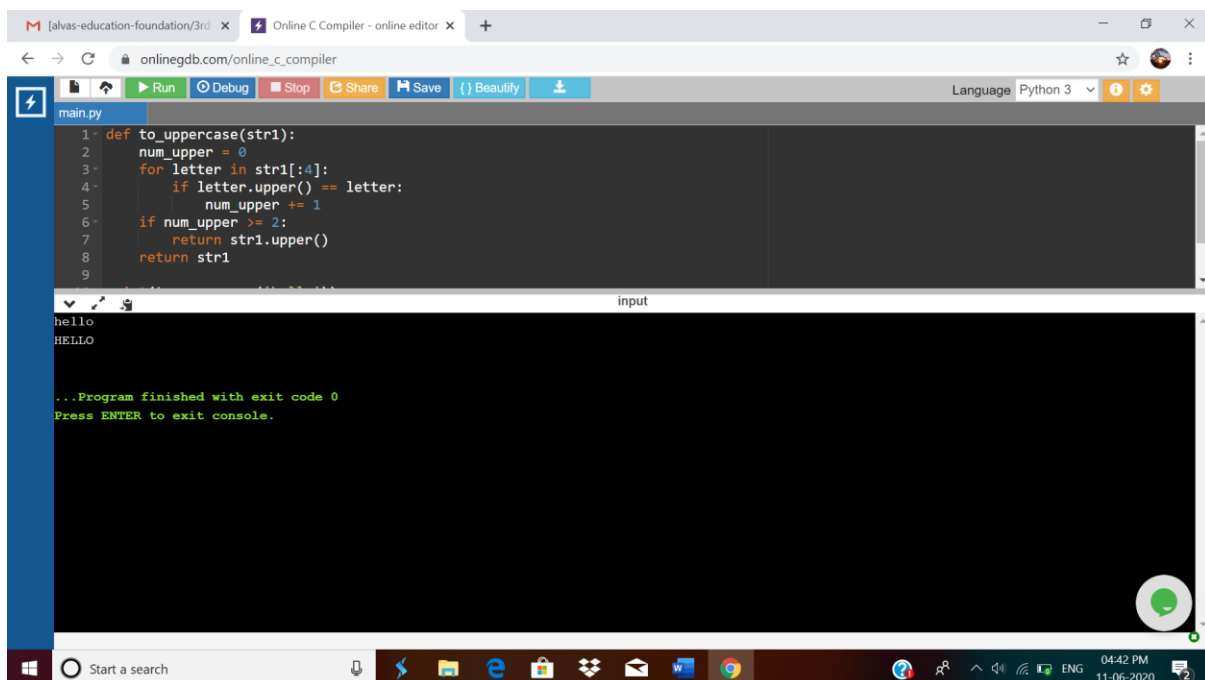
2. Input:

Given string is : Hello

Output string is: Hello

```
def to_uppercase(str1):  
    num_upper = 0  
    for letter in str1[:4]:  
        if letter.upper() == letter:  
            num_upper += 1  
    if num_upper >= 2:  
        return str1.upper()  
    return str1  
  
print(to_uppercase('hello'))  
print(to_uppercase('Hello'))
```

output:



The screenshot shows a web browser window with the URL `onlinegdb.com/online_c_compiler`. The browser tabs include 'alvas-education-foundation/3rd' and 'Online C Compiler - online editor'. The interface features a toolbar with buttons for Run, Debug, Stop, Share, Save, and Beautify. The main editor displays a Python script named `main.py` with the following code:

```
1 def to_uppercase(str1):  
2     num_upper = 0  
3     for letter in str1[:4]:  
4         if letter.upper() == letter:  
5             num_upper += 1  
6     if num_upper >= 2:  
7         return str1.upper()  
8     return str1  
9
```

Below the editor, the 'input' section shows the test cases: `hello` and `HELLO`. The output section displays the results: `hello` and `HELLO`. At the bottom, a message states: `...Program finished with exit code 0` and `Press ENTER to exit console.`. The Windows taskbar at the bottom shows the time as 04:42 PM on 11-06-2020.