

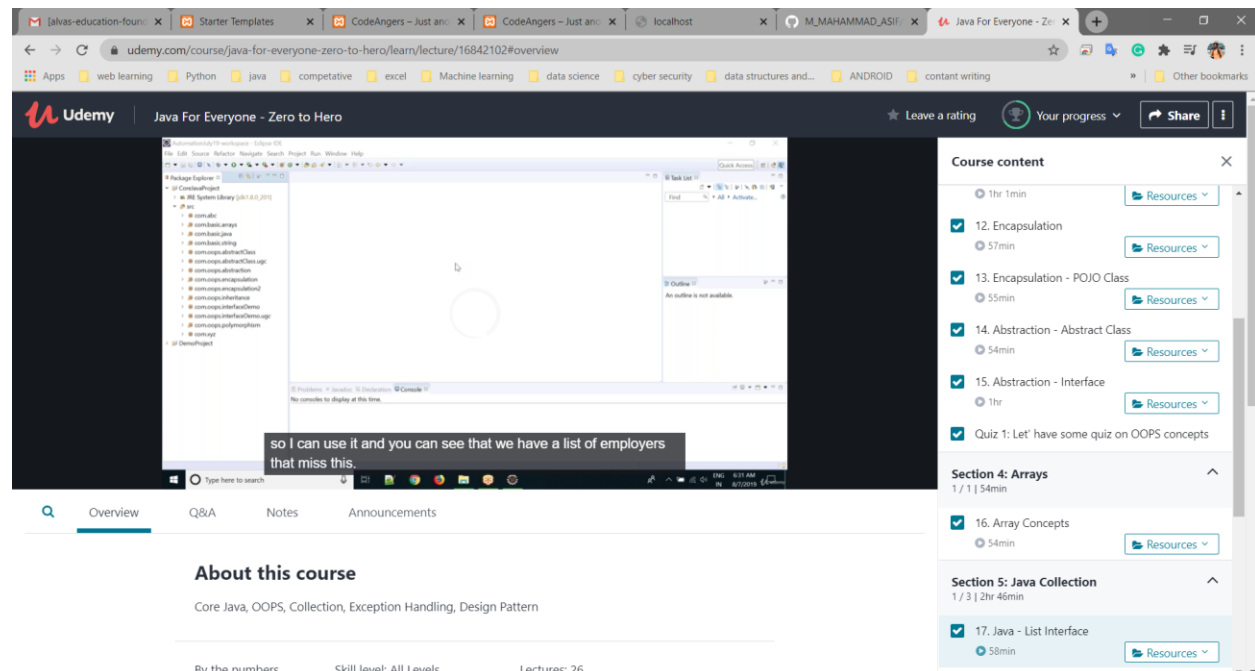
DAILY ONLINE ACTIVITIES SUMMARY

Date:	14/07/2020	Name:	M MAHAMMAD ASIF
Sem & Sec	4th Sem & 'A' Sec	USN:	4AL18CS045
Online Test Summary			
Subject	-		
Max. Marks	-	Score	-
Certification Course Summary			
Course	Java For Everyone - Zero to Hero		
Certificate Provider	Udemy	Duration	22.5 Hours
Coding Challenges			
Problem Statement: Java program to check for balanced parenthesis.			
Status: Completed			
Uploaded the report in Github		Yes	
If yes Repository name		https://github.com/alvas-education-foundation/M_MAHAMMAD_ASIF	
Uploaded the report in slack		Yes	

Online Test Details: Today test was not conducted.

Certification Course Details: Today I continued the same course that is “Java For Everyone - Zero to Hero”. This course was about 22.5 hours of Duration. Today I had studied Abstraction - Interface, Array Concepts and introduction to Java Collections - List Interface..

Snapshot:



Above is the Snapshot of today's certification course.

Coding Challenges Details: Today one java program task was given by Prof Shilpa. I had solved the program and uploaded the code in Github. The problem statement was:

1. Java program to check for balanced parenthesis.

Given an expression string `exp`. Examine whether the pairs and the orders of “{“,”}”,“(“,”)”,”[“,”]” are correct in `exp`.
For example, the program should print 'balanced' for `exp = “[()]{}{()()}]”` and 'not balanced' for `exp = “[()]”`

Input:

Input consists of a string of expression, in a separate line.

Output:

Print 'balanced' without quotes if the pair of parenthesis is balanced else print 'not balanced' in a separate line.

Example:

Input:

{([)])}

()

([)

Output:

balanced

balanced

not balanced

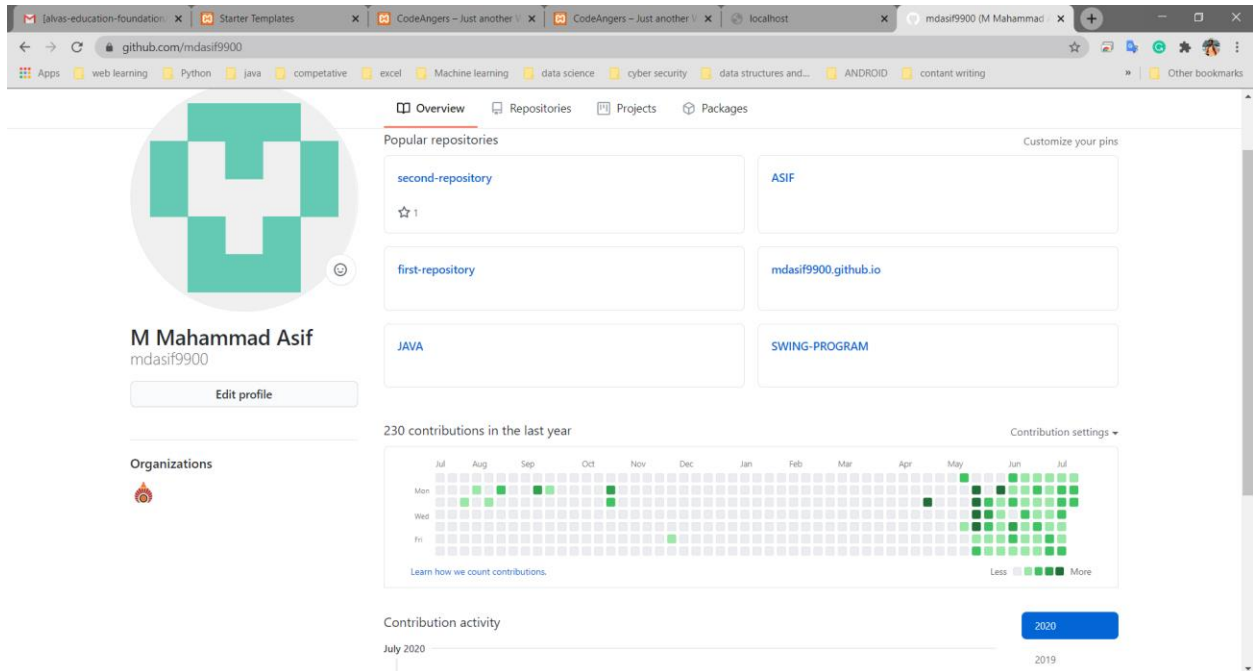
Snapshot:

The screenshot shows a web browser displaying a GitHub repository page for the user 'M_MAHAMMAD_ASIF'. The repository is named 'alvas-education-foundation'. The file 'balanced_parenthesis.java' is selected, showing its code. The code is a Java program that uses a Deque to check if a given expression string is balanced. It imports java.util.* and defines a class 'balanced_parenthesis' with a static method 'areParanthesisBalanced'. The method uses a Deque to push and pop characters to verify if the parentheses are balanced. The code is 61 lines long (51 sloc) and 1.71 KB in size. The latest commit was made by 'mdasif9900' on 14/07/2020.

```
1 import java.util.*;
2
3 public class balanced_parenthesis {
4
5     // function to check if paranthesis are balanced
6     static boolean areParanthesisBalanced(String expr)
7     {
8         // Using ArrayDeque is faster than using Stack class
9         Deque<Character> stack = new ArrayDeque<Character>();
10
11         // Traversing the Expression
12         for (int i = 0; i < expr.length(); i++) {
13             char x = expr.charAt(i);
14
15             if (x == '(' || x == '[' || x == '{') {
```

Github Number of commits Details: Today 6 commits will commit in total including this report commit.

Snapshot:



Above is the contribution Table of this year showing total commits committed according to day wise.