

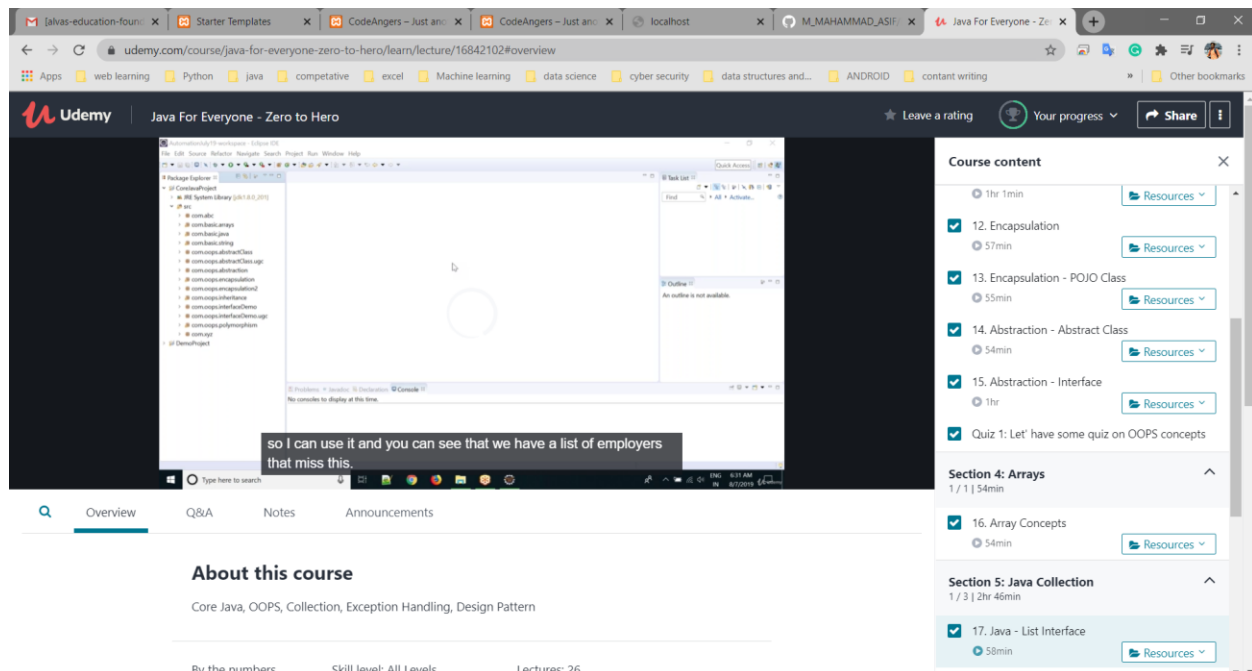
DAILY ONLINE ACTIVITIES SUMMARY

Date:	14/07/2020	Name:	M MAHAMMAD ASIF
Sem & Sec	4 th 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

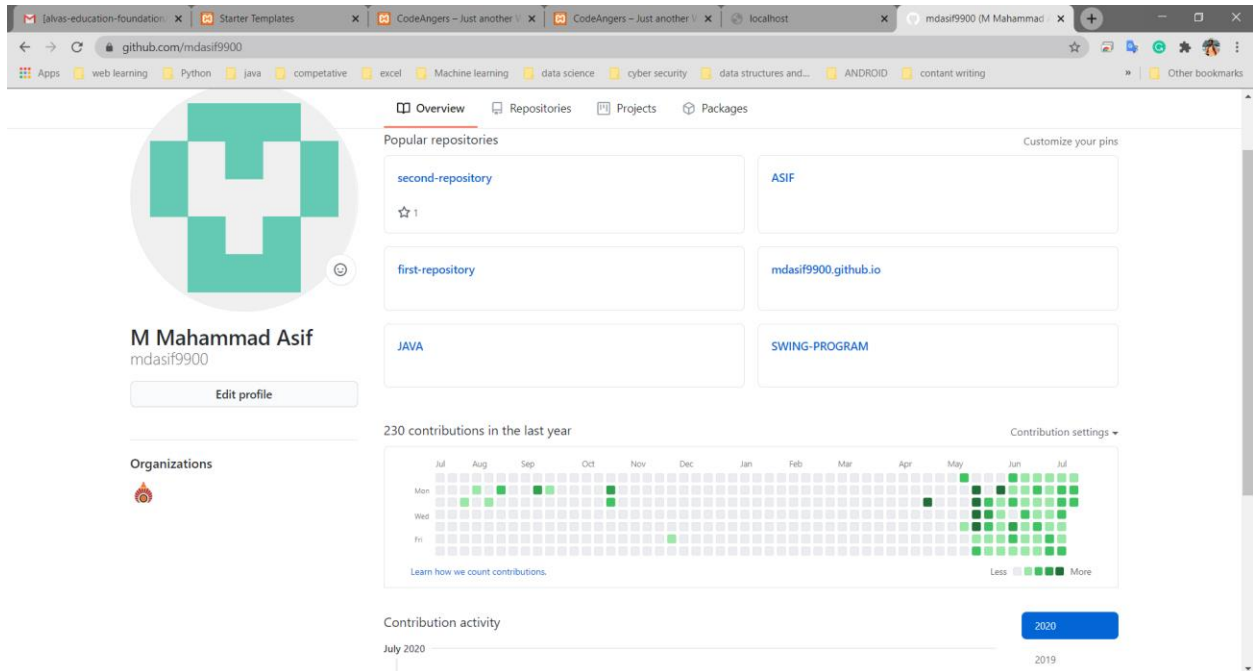
Snapshot:

The screenshot shows a web browser displaying a GitHub repository page for 'alvas-education-foundation / M_MAHAMMAD_ASIF'. The repository is generated from 'alvas-education-foundation/progress_template'. The page shows the 'Code' tab selected, displaying a file named 'balanced_parenthesis.java' in the 'coding_solutions / JAVA_PROGRAMS' directory. The file was committed by 'mdasif9900' on 14/07/2020. The code is a Java program that uses an ArrayDeque to check if a given expression string is balanced. The code is as follows:

```
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.