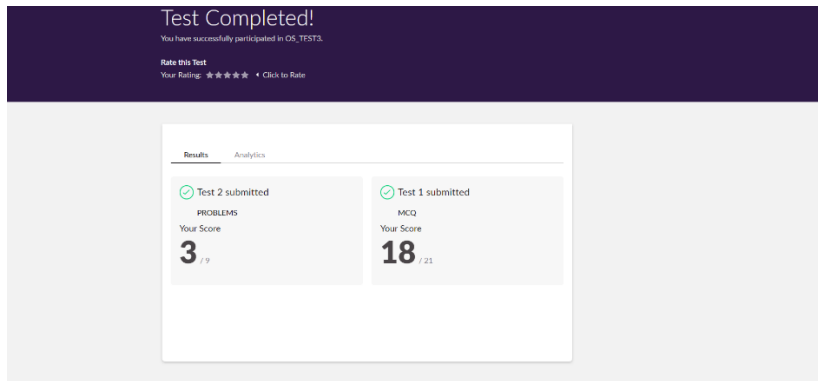


DAILY ONLINE ACTIVITIES SUMMARY

Date:	4-06-2020	Name:	Jayraj Shah
Sem & Sec	6-A	USN:	4AL17CS036
Online Test Summary			
Subject	OS		
Max. Marks	21	Score	30
Certification Course Summary			
Course	COVID-19 Tracker APP using React Native and Material UI		
Certificate Provider	N/A	Duration	As per Progress
Coding Challenges			
Problem Statement: Queue Implementation using array in JAVA , Take two strings, return a string of the form short+long+short, with the shorter string on the outsides and the longer string on the inside. The strings will not be the same length, but they may be empty (length 0).			
Status: Completed			
Uploaded the report in Github		YES	
If yes Repository name		CSE-JayrajShah-4AL17CS036 https://github.com/alvas-education-foundation/CSE-JayrajShah-4AL17CS036	
Uploaded the report in slack		YES	

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



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

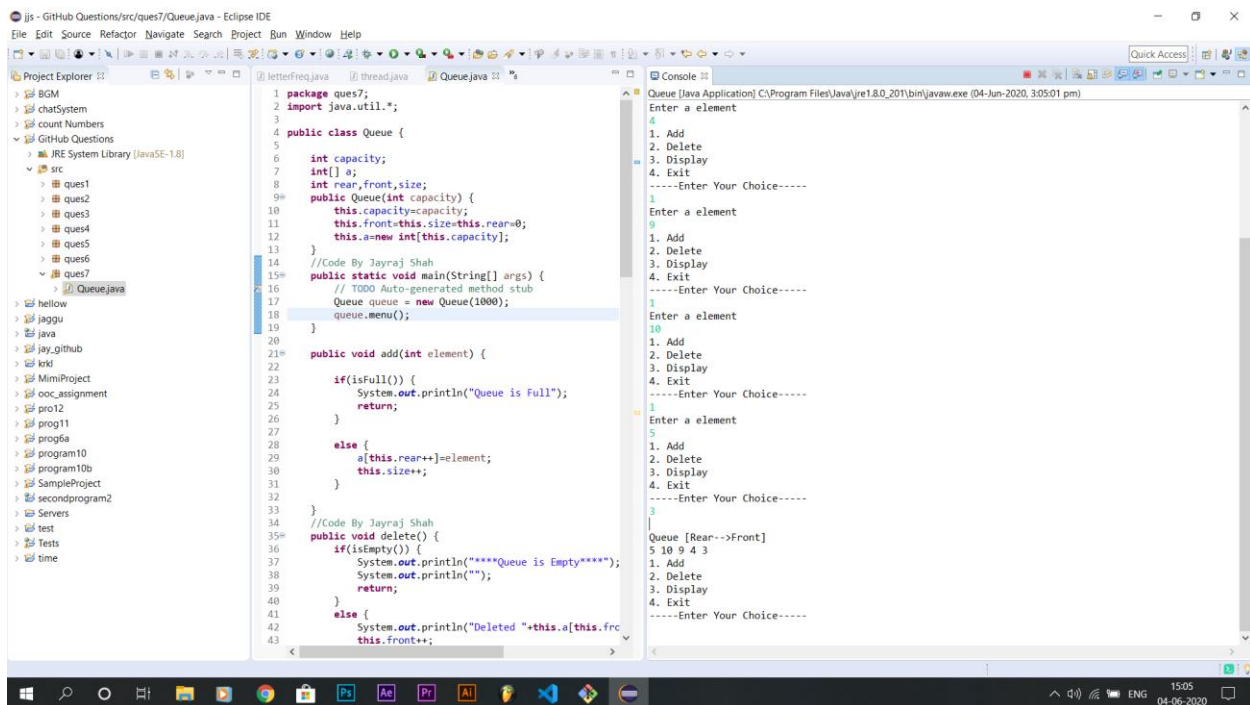


Added Dropdown List.

Fetches Countries Data from API and feeds it to the Dropdown.

Data changes according to the Country selected.

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



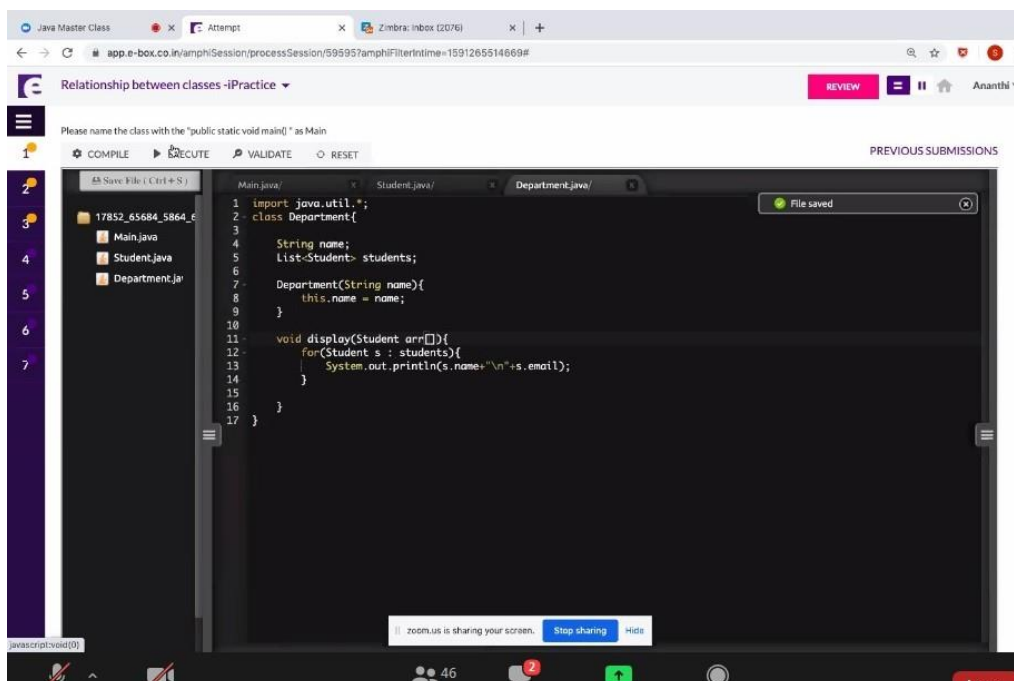
The screenshot shows the Eclipse IDE with a Java project named 'Queue'. The 'src' folder contains a file 'Queue.java'. The code implements a queue with methods for adding, deleting, and displaying elements. The console output shows the program running and displaying a menu with options: 1. Add, 2. Delete, 3. Display, 4. Exit. The user enters '1' to add an element, and the program prompts 'Enter a element'.

```
1 package ques7;
2 import java.util.*;
3
4 public class Queue {
5
6     int capacity;
7     int[] a;
8     int rear, front, size;
9     public Queue(int capacity) {
10         this.capacity=capacity;
11         this.front=this.size=this.rear=0;
12         this.a=new int[this.capacity];
13     }
14     //Code By Jayraj Shah
15     public static void main(String[] args) {
16         // TODO Auto-generated method stub
17         Queue queue = new Queue(1000);
18         queue.menu();
19     }
20
21     public void add(int element) {
22
23         if(isFull()) {
24             System.out.println("Queue is Full");
25             return;
26         }
27
28         else {
29             a[this.rear++]=element;
30             this.size++;
31         }
32     }
33     //Code By Jayraj Shah
34     public void delete() {
35         if(isEmpty()) {
36             System.out.println("****Queue is Empty****");
37             System.out.println("");
38             return;
39         }
40         else {
41             System.out.println("Deleted "+this.a[this.front]);
42             this.front++;
43         }
44     }
45 }
```

Console Output:

```
Queue [Java Application] C:\Program Files\Java\jre1.8.0_201\bin\javaw.exe (04-Jun-2020, 3:05:01 pm)
Enter a element
4
1. Add
2. Delete
3. Display
4. Exit
-----Enter Your Choice-----
1
Enter a element
10
1. Add
2. Delete
3. Display
4. Exit
-----Enter Your Choice-----
1
Enter a element
5
1. Add
2. Delete
3. Display
4. Exit
-----Enter Your Choice-----
3
Queue [Rear-->front]
5 10 9 4 3
1. Add
2. Delete
3. Display
4. Exit
-----Enter Your Choice-----
```

Ebox Master Class:



The screenshot shows the Ebox Master Class interface. The top bar displays the title 'Relationship between classes - iPractice' and the user 'Ananthi'. The main area contains a code editor with a Java class named 'Department'. The code defines a class with attributes 'name' and 'students', a constructor, and a method 'display' to print the details of all students in a department.

```
1 import java.util.*;
2 class Department{
3
4     String name;
5     List<Student> students;
6
7     Department(String name){
8         this.name = name;
9     }
10
11     void display(Student arr[]){
12         for(Student s : students){
13             System.out.println(s.name+"\n"+s.email);
14         }
15     }
16 }
17 }
```

The interface also shows a list of previous submissions on the right side, including the user's name 'Ananthi' and the submission time '18:52:56'.

GitRepo Link : <https://github.com/alvas-education-foundation/TODO-APP-Jayraj-Shah-CSE-3Year>

(Completed)

<https://github.com/alvas-education-foundation/COVID-19-Tracker-JayrajShah-CSE-3-Year>

(In Progress)

Course Link : <https://www.youtube.com/watch?v=qSRxpdMpVc&t=1671s>

NOTE: For more description about project, please check out my repositories.