

## DAILY ONLINE ACTIVITIES SUMMARY

<b>Date:</b>	04/07/2020	<b>Name:</b>	Priya Nagari
<b>Sem &amp; Sec</b>	Fourth SEM section B	<b>USN:</b>	4AL18CS063
<b>Online Test Summary</b>			
<b>Subject</b>	—		
<b>Max. Marks</b>	—	<b>Score</b>	—
<b>Certification Course Summary</b>			
<b>Course</b>	AWS certified cloud practitioner-Essential course 2020		
<b>Certificate Provider</b>	udemy	<b>Duration</b>	7.5hr
<b>Coding Challenges</b>			
<b>Problem Statement: 1. Java Program to find the median of each window of size k starting from the left and moving towards the right by one position each time.</b>			
<b>Status:</b>			
<b>Uploaded the report in Github</b>		YES	
<b>If yes Repository name</b>		<b>Priya_Nagari</b> <b>link:</b> <a href="https://github.com/alva-foundation/Priya_Nagari">https://github.com/alva-foundation/Priya_Nagari</a> <a href="#">s-education-i</a>	
<b>Uploaded the report in slack</b>		YES	

## Online Test Details:

NO TEST

## Course Details:

**Name of the course:** AWS certified cloud practitioner-Essential course 2020

**certificate provide:** udemy     **duration:**7.5hrs

Today I have enrolled for “**AWS certified cloud practitioner-Essential course 2020**” course in udemy of 7.5 hours duration. I have learnt some fundamental topic About cloud computing.

The screenshot shows the Udemy course page for 'AWS Certified Cloud Practitioner - Essentials Course-2020'. The main visual is a diagram illustrating cloud computing concepts. It features a blue cloud labeled 'Private Cloud' containing three server icons, with the text 'Local LAN' below it. To the right of the cloud is an orange server rack and a globe. A yellow speech bubble in the top left corner also says 'Private Cloud'. The course content list on the right includes:

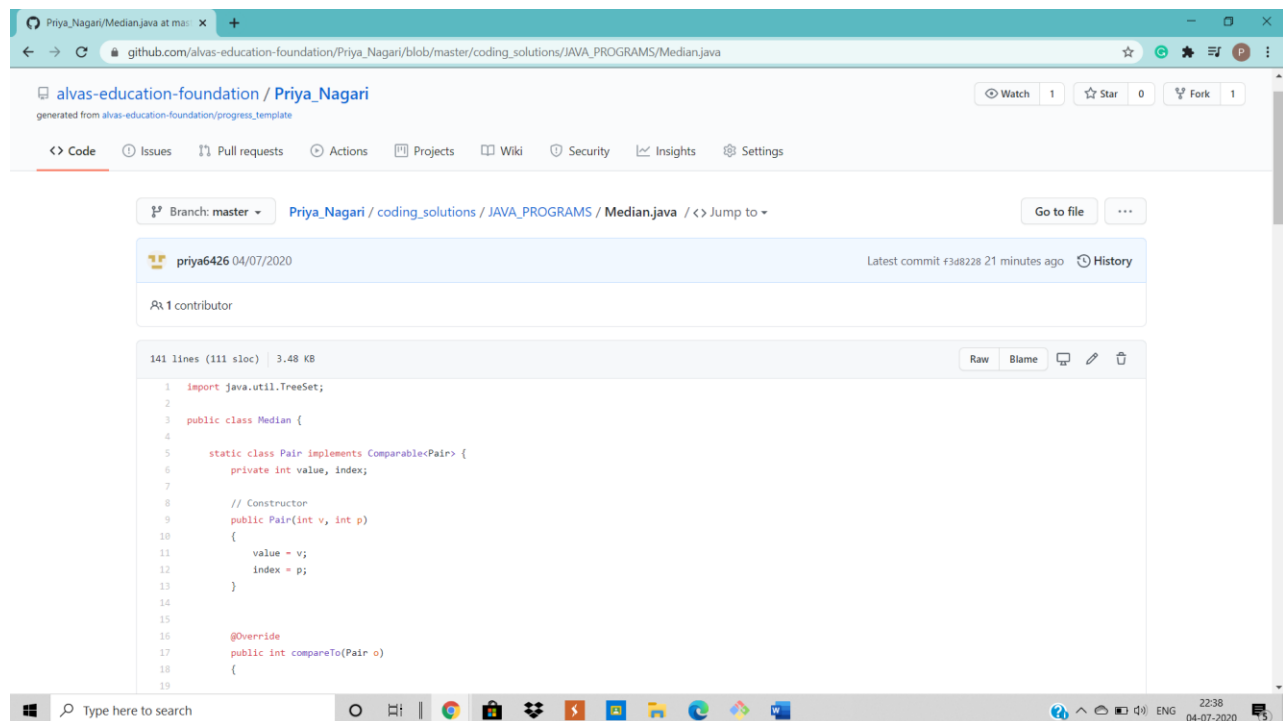
- ☒ 13. What is a Private Cloud ? (1min)
- ☐ 14. Characteristics of Private Cloud (2min)
- ☐ 15. What is Hybrid Cloud ? (1min)
- ☐ 16. Characteristics of Hybrid Cloud (1min)
- ☐ 17. Review and What Next!! (1min)
- ☐ 18. What is Infrastructure as a service ? (4min)
- ☐ 19. IAAS - Use Cases (2min)
- ☐ 20. What is Platform as a Service? (2min)
- ☐ 21. PAAS - Use Cases (4min)
- ☐ 22. What is Software as a Service? (2min)
- ☐ 23. What is Shared Responsibility Model ? (2min)

The bottom of the page shows the Windows taskbar with the Start button, a search bar, and various application icons. The system clock indicates 22:28 on 04-07-2020.

# Pre-placement activities: Not held

## coding details :

**Problem Statement: 1**Java Program to find the median of each window of size k starting from the left and moving towards the right by one position each time.



The screenshot shows a GitHub repository for 'alvas-education-foundation / Priya\_Nagari'. The file 'Median.java' is selected, showing its code. The code is a Java program designed to find the median of a sliding window of size k. It includes a static class 'Pair' that implements 'Comparable' and a 'Median' class with a 'findMedian' method. The 'findMedian' method uses a TreeSet to maintain the elements in the current window and calculates the median based on the size of the window (k). The code is as follows:

```
1 import java.util.TreeSet;
2
3 public class Median {
4
5     static class Pair implements Comparable<Pair> {
6         private int value, index;
7
8         // Constructor
9         public Pair(int v, int p)
10        {
11            value = v;
12            index = p;
13        }
14
15        @Override
16        public int compareTo(Pair o)
17        {
18
19
```