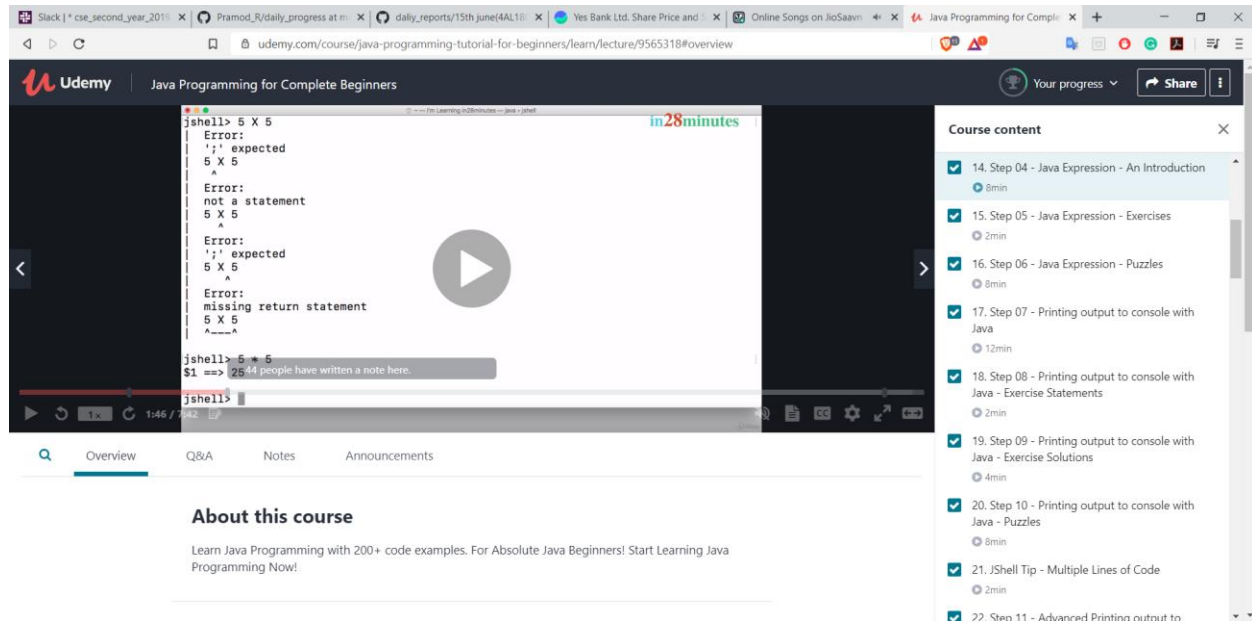


DAILY ONLINE ACTIVITIES SUMMARY

Date:	15/06/2020	Name:	Pramod R
Sem & Sec	4 th sem B section	USN:	4AL18CS059
Online Test Summary			
Subject	-		
Max. Marks	-	Score	-
Certification Course Summary			
Course	Java Programming for Complete Beginners		
Certificate Provider	Udemy	Duration	1 Hour
Coding Challenges			
Problem Statement: Write a java program to find if string is K-Palindrome or not.			
Status: Completed			
Uploaded the report in Github		YES	
If yes Repository name		https://github.com/alvas-education-foundation/Pramod_R	
Uploaded the report in slack		YES	

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



The screenshot shows a web browser displaying a Udemy course page. The course title is "Java Programming for Complete Beginners". The main video player shows a terminal window with the following content:

```
jshell> 5 X 5
Error:
 ';' expected
5 X 5
^
Error:
 not a statement
5 X 5
^
Error:
 ';' expected
5 X 5
^
Error:
 missing return statement
5 X 5
^-----^

jshell> 5 * 5
$1 ==> 25
4 people have written a note here.

jshell>
```

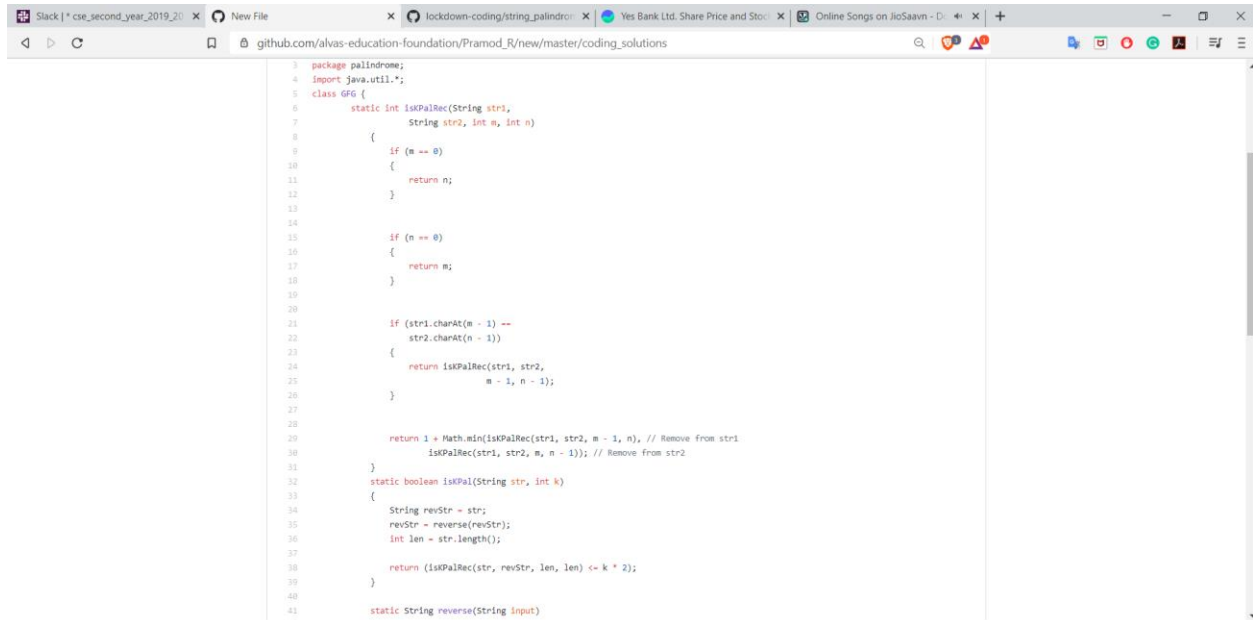
The video player has a play button in the center and a progress bar at the bottom. The right sidebar shows the "Course content" list with 22 items, all marked as completed with a checkmark. The items are:

- 14. Step 04 - Java Expression - An Introduction (8min)
- 15. Step 05 - Java Expression - Exercises (2min)
- 16. Step 06 - Java Expression - Puzzles (8min)
- 17. Step 07 - Printing output to console with Java (12min)
- 18. Step 08 - Printing output to console with Java - Exercise Statements (2min)
- 19. Step 09 - Printing output to console with Java - Exercise Solutions (4min)
- 20. Step 10 - Printing output to console with Java - Puzzles (8min)
- 21. JShell Tip - Multiple Lines of Code (2min)
- 22. Step 11 - Advanced Printout to

The bottom section of the page is titled "About this course" and contains the text: "Learn Java Programming with 200+ code examples. For Absolute Java Beginners! Start Learning Java Programming Now!"

The course I have chosen during the lockdown period is **Java Programming for Complete Beginners**. Since I had previously knew few topics about Java I am continuing this course. Since Java is used in major application development, I have chosen this course.

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

A screenshot of a web-based code editor interface. The browser's address bar shows the URL 'github.com/alvas-education-foundation/Prמוד_R/new/master/coding_solutions'. The code editor displays a Java file named 'palindrome.java'. The code implements a recursive function 'isKPalRec' to check if a string is a K-palindrome. It uses two pointers, 'm' and 'n', to traverse the string from both ends. The function returns 1 if the characters at the pointers match, and 0 otherwise. The main function 'isKPal' uses this recursive function to determine if the entire string is a K-palindrome. The code is as follows:

```
1 package palindrome;
2 import java.util.*;
3 class GFG {
4     static int isKPalRec(String str1,
5         String str2, int m, int n)
6     {
7         if (m == 0)
8         {
9             return n;
10        }
11
12        if (n == 0)
13        {
14            return m;
15        }
16
17        if (str1.charAt(m - 1) ==
18            str2.charAt(n - 1))
19        {
20            return isKPalRec(str1, str2,
21                m - 1, n - 1);
22        }
23
24        return 1 + Math.min(isKPalRec(str1, str2, m - 1, n), // Remove from str1
25            isKPalRec(str1, str2, m, n - 1)); // Remove from str2
26    }
27
28    static boolean isKPal(String str, int k)
29    {
30        String revStr = str;
31        revStr = reverse(revStr);
32        int len = str.length();
33
34        return (isKPalRec(str, revStr, len, len) <= k * 2);
35    }
36
37    static String reverse(String input)
38    {
39    }
```

The question I took to code is:

Write a java program to find if string is K-palindrome or not.

Solution: The above snapshot is the code which I have uploaded in my Github repository