DAILY ONLINE ACTIVITIES SUMMARY

Date:	19/05/20		Name:	Anagha Iyengar S
Sem & Sec	VIII A		USN:	4AL16CS011

Online Test Summary				
Subject	Big data analysis			
Max. Marks	30		Score	13

Certification Course Summary			
Course	Introduction to Ethical Hacking		
Certificate Provider	Great Learner Acdemy	Duration	6 Hours

Coding Challenges	
Problem Statement:	
Status: Solved	
Uploaded the report in Github	Yes
If yes Repository name	anaghaiyengar/online_certificate
Uploaded the report in slack	Yes
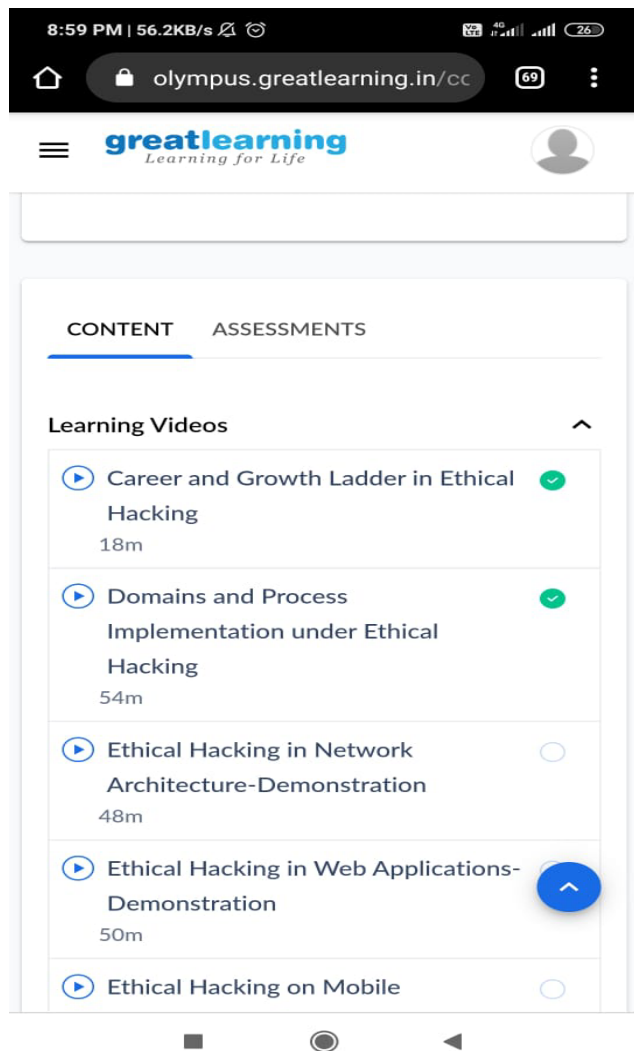
Online certification

Program

```java
package shortestpalindromeexample.java;

import java.util.Scanner;


public class ShortestPalindromeDemo {
```

```java
public static String shortestPalindrome(String str) {


int x=0;

int y=str.length()-1;


  while(y>=0){

    if(str.charAt(x)==str.charAt(y)){

        x++;

      }

        y--;

  }


if(x==str.length())

return str;


String suffix = str.substring(x);

String prefix = new StringBuilder(suffix).reverse().toString();

String mid = shortestPalindrome(str.substring(0, x));


return prefix+mid+suffix;

}


public static void main(String[] args) {


Scanner in = new Scanner(System.in);


System.out.println("Enter a String to find out shortest palindrome");
```

```java
String str=in.nextLine();

System.out.println("Shortest palindrome of "+str+" is "+shortestPalindrome(str));

}
```