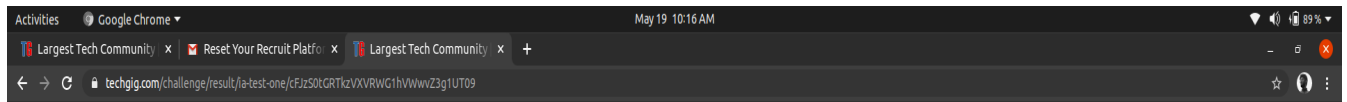


## **DAILY ONLINE ACTIVITIES SUMMARY**

Date:	19/05/2019	Name:	Deekshith T R
Sem & Sec	8 <sup>th</sup> A	USN:	4AL16CS027
<b>Online Test Summary</b>			
Subject	BDA		
Max. Marks	30	Score	18
<b>Certification Course Summary</b>			
Course	Getting started Hadoop		
Certificate Provider	GreatLearning	Duration	38 mins
<b>Coding Challenges</b>			
Problem Statement:			
Status: Completed			
Uploaded the report in Github		yes	
If yes Repository name		Deekshithtr_16cs027	
Uploaded the report in slack		yes	

## Online Test Details:



deekshithr11@gmail.com Logout

## Test Completed!

You have successfully participated in Big Data Analytics.

Rate this Test

Your Rating: ★★★★★ Click to Rate

Results Analytics

✓ IA Test one

Your Score **18** / 30

## Certification Course Details:

The screenshot shows a web browser window displaying the Great Learning course page. The browser's address bar shows the URL <https://olympus.greatlearning.in/courses/12888>. The page header includes the Great Learning logo and the word 'Courses'. The main content area is titled 'Hadoop: Master your Big Data' and features a list of course modules under the 'CONTENT' tab. The modules are as follows:

Module Name	Duration	Status
Big Data Touch	23m	Completed (Green checkmark)
Getting Started: Hadoop	14m	Completed (Green checkmark)
What is hadoop.ppt		Download icon
Hadoop framework : Stepping into Hadoop	24m	Completed (Green checkmark)
HDFS: What and Why?	20m	Not completed (Empty circle)
HDFS basics.ppt		Download icon
Working on HDFS	33m	Not completed (Empty circle)
Hadoop 2.x - YARN	7m	Not completed (Empty circle)
Hadoop Basics Quiz		Not completed (Empty circle)
Mapreduce: A Programming paradigm	20m	Not completed (Empty circle)

At the bottom of the page, there is a link to a specific module: [https://olympus.greatlearning.in/courses/12888/files/882264?module\\_item\\_id=566332](https://olympus.greatlearning.in/courses/12888/files/882264?module_item_id=566332) with a download icon.

Organizations can optimize IoT data, quickly and cost-effectively deriving its business value by developing expertise in ETL (extract, transfer, load) technologies, such as stream processing and data lakes.

At many organizations, though, this may lead to IT bottlenecks, long project delays, and data science being deferred. Result: IoT projects – in which predictive analytics data is meant to play a critical role in improving operational efficiency and spurring innovation – *still* haven't crossed the proof-of-concept threshold and definitely cannot demonstrate ROI.

## Coding Challenges Details:

### program1:

```
package shortestpalindromeexample.java;
import java.util.Scanner;

public class ShortestPalindromeDemo {

    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");

        String str=in.nextLine();

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

    }
}
```

### program 2

```
import java.util.Stack;
```

```
class Node {  
int data;  
Node next;
```

```
Node(int i)  
{  
    this.data = i;  
    this.next = null;  
}  
};
```

```
class Main  
{  
public static boolean isPalindrome(Node head)  
{  
    // construct an empty stack  
    Stack s = new Stack<>();  
    Node node = head;  
    while (node != null) {  
        s.push(node.data);  
        node = node.next;  
    }
```

```
        node = head;  
        while (node != null)  
        {  
            int top = s.pop();  
            if (top != node.data) {  
                return false;  
            }  
            node = node.next;  
        }  
        return true;  
    }  
}  
  
public static void main(String[] args)  
{  
    Node head = new Node(1);  
    head.next = new Node(2);  
    head.next.next = new Node(3);  
    head.next.next.next = new Node(2);  
    head.next.next.next.next = new Node(1);  
  
    if (isPalindrome(head)) {  
        System.out.print("Linked List is a palindrome.");  
    } else {  
        System.out.print("Linked List is not a palindrome.");  
    }  
}  
}
```