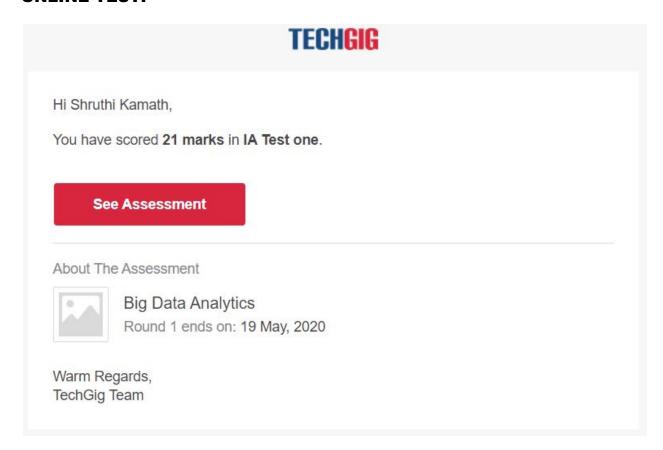
DAILY ONLINE ACTIVITIES SUMMARY

Date:	19/05/2020		Name:	Shruthi	
Sem & Sec	8B		USN:	4AL16CS100	
Online Test Summary					
Subject	BDA				
Max. Marks	30		Score	21	
Certification Course Summary(Internship)					
Task	Study-1.Learning the concepts of ETL and ETL tools. 2.Creating an UI using an ETL tool.				
company		Gain-insights	Duration		9 hrs
Coding Challenges					
Problem Statement:1) Program to add some characters to the given string or character and find					
out what will be the shortest palindrome string by using simple java program.					
2)Java program to identify given linked list is palindrome or not by using stack.					
Status:completed					
Uploaded the report in Github			Yes		
If yes Repository name			shruthikamath		
Uploaded th	e report in	ı slack	Yes		

ONLINE TEST:



CODING CHALLENGE:

```
PROGRAM 1:
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)
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;
}
```