

DAILY ONLINE ACTIVITIES SUMMARY

Date:	19/05/2020	Name:	VARSHA H SHETTY
Sem & Sec	8 th B	USN:	4AL16CS117
Online Test Summary			
Subject	BDA		
Max. Marks	30	Score	23
Certification Course Summary			
Course	Introduction to Ethical hacking		
Certificate Provider	Great learning	Duration	6 hours
Coding Challenges			
Problem Statement:			
Status: COMPLETED			
Uploaded the report in Github		YES	
If yes Repository name		varshashetty123/Online_coding	
Uploaded the report in slack		YES	

Online Test Details:

Test on module 1

4G 4G 11:57 51.2 KB/s VoLTE 4G 45



, your IA Test one result is ready

Inbox



TechGig 2 days ago
to me



TECHGIG

Hi ,

You have scored **23 marks** in **IA Test one**.

[See Assessment](#)

About The Assessment



Big Data Analytics

Round 1 ends on: 19 May, 2020

Warm Regards,
TechGig Team

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Snapshot of test

Certification Course Details:

Introduction to Ethical Hacking



Introduction to Ethical Hacking

CONTENT

ASSESSMENTS

Learning Videos

▶ Career and Growth Ladder in Ethical Hacking
18m



▶ Domains and Process Implementation under Ethical Hacking
54m



▶ Ethical Hacking in Network Architecture-Demonstration



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));

    }
}

```

Program2

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

```
// Data Structure to store a linked list node
```

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

```
class Main
```

```
{  
    // Function to determine if a given linked list is palindrome or not  
    public static boolean isPalindrome(Node head)  
    {  
        // construct an empty stack  
        Stack<Integer> s = new Stack<>();  
  
        // push all elements of the linked list into the stack  
        Node node = head;  
        while (node != null) {  
            s.push(node.data);  
            node = node.next;  
        }  
  
        // traverse the linked list again  
        node = head;  
        while (node != null)  
        {  
            // pop the top element from the stack  
            int top = s.pop();  
  
            // compare the popped element with current node's data  
            // return false if mismatch happens  
            if (top != node.data) {  
                return false;  
            }  
  
            // advance to the next node  
            node = node.next;  
        }  
    }  
}
```

```

        // we reach here only when the linked list is palindrome
        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.");
        }
    }
}

```