


## **DAILY ONLINE ACTIVITIES SUMMARY**

<b>Date:</b>	<b>19/05/2020</b>	<b>Name:</b>	<b>Prathiksha</b>
<b>Sem &amp; Sec</b>	<b>8<sup>th</sup> sem &amp; B sec</b>	<b>USN:</b>	<b>4AL16CS070</b>
<b>Online Test Summary</b>			
<b>Subject</b>	<b>Big Data Analytics(BDA)</b>		
<b>Max. Marks</b>	<b>30</b>	<b>Score</b>	<b>9</b>
<b>Certification Course Summary</b>			
<b>Course</b>	<b>Introduction To Ethical Hacking</b>		
<b>Certificate Provider</b>	<b>Great Learning Academy</b>	<b>Duration</b>	<b>6hrs</b>
<b>Coding Challenges</b>			
<b>Problem Statement:</b> 1. Find out what will be shortest palindrome string. 2. Write a simple code to identify given linked list is palindrome or not by using stack.			
<b>Status:    Solved</b>			
<b>Uploaded the report in Github</b>		<b>Yes</b>	
<b>If yes Repository name</b>		<b>Online coding challenges</b>	
<b>Uploaded the report in slack</b>		<b>Yes</b>	

## Online Test Details:

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Hi ,

You have scored **9 marks** in **IA Test one**.

[See Assessment](#)

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About The Assessment



Big Data Analytics  
Round 1 ends on: 19 May, 2020

Warm Regards,  
**TechGig** Team


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IA1 portion was Module 1.

## Certification Course Details:

Download file | iLovePDF x Career and Growth Ladder in x Google Accounts x +

olympus.greatlearning.in/courses/12629/pages/career-and-growth-ladder-in-ethical-hacking?module\_item\_id=527653 ☆ ⋮


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Content

Learning Videos

- Career and Growth Ladder in Ethical Hacking ✓
- Domains and Process
- Implementation under Ethical Hacking ✓
- Ethical Hacking in Network Architecture-Demonstration
- Ethical Hacking in Web Applications-Demonstration
- Ethical Hacking on Mobile Platforms-Demonstration
- What is Ethical Hacking

### Career and Growth Ladder in Ethical Hacking



**Roles related to Ethical Hacker**

Information Security Analyst	\$50k - \$107k	<div></div>
Cyber Security Analyst	\$51k - \$117k	<div></div>
Security Engineer	\$60k - \$130k	<div></div>
Security Analyst	\$47k - \$99k	<div></div>
Information Security Manager	\$78k - \$150k	<div></div>
Information Technology (IT) Director	\$68k - \$171k	<div></div>
Information Security Engineer	\$65k - \$133k	<div></div>
Cyber Security Engineer	\$65k - \$136k	<div></div>
Information Technology (IT) Manager	\$54k - \$132k	<div></div>
Security Consultant, (Computing / Networking / Information Technology)	\$57k - \$135k	<div></div>

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**Topic :** Career and Growth Ladder in Ethical Hacking with roles

## Coding Challenges Details:

### Program 1:

```
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; }
    }

    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."); }
}
}
```