








## **DAILY ONLINE ACTIVITIES SUMMARY**

Date:	18-05-2020	Name:	Shriraksha
Sem & Sec	8 <sup>th</sup> ,B	USN:	4AL16CS099
<b>Online Test Summary</b>			
Subject	SMS		
Max. Marks	60	Score	43
<b>Certification Course Summary</b>			
Course	Introduction to ethical hacking		
Certificate Provider	Great learning	Duration	6 Hrs
<b>Coding Challenges</b>			
<b>Problem Statement: prob1-</b> Using methods charAt() & length() of String class, write a program to print the frequency of each character in a string. “Hello friend”			
<b>Prob2-</b> Write down a java program to print even and odd numbers series respectively from two threads: t1 and t2 synchronizing on a shared object Let t1 print message “ping — >” and t2 print message “,—pong”.			
<b>Status: Solved</b>			
<b>Uploaded the report in Github</b>		<b>Yes</b>	
<b>If yes Repository name</b>		<b>Shriraksha</b>	
<b>Uploaded the report in slack</b>		<b>Yes</b>	

## Online Test Details:





Shriraksha K, your MCQ result is ready Inbox 






**TechGig** 18 May  
Hi Shriraksha K, You have scored 12 marks in MCQ. See Assessment About The Assessment

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**TechGig** 2 days ago  
to me 






Hi Shriraksha K,

You have scored **43 marks** in **MCQ**.

**See Assessment**

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About The Assessment





**SMS\_I\_LIA Enhanced Clone**  
at 2020-05-18 10:47:27  
Round 1 ends on: 18 May,  
2020 (1 Hour)

Warm Regards,  
TechGig Team


## Certification Course Details:



Certified ethical hackers make an average annual income of **\$80,074**, according to [Payscale](#). The average starting salary for a certified ethical hacker is **\$95,000**, according to EC-Council senior director Steven Graham. The founder of NoWiresSecurity, Eric Geier, estimates a more conservative **\$50,000 to \$100,000 per year** in the first years of work depending on your employer, experience and education. Those with a few years of experience can pull **\$120,000 and upwards per year**, particularly those who work as independent consultants.

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**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** 

48m

 **Ethical Hacking in Web Applications-Demonstration** 

50m

 **Ethical Hacking on Mobile Platforms-Demonstration** 



## Ethical Hacking Career: Job Profiles

After attaining the much coveted CEH v10,an ethical hacker can try for the following roles:

- Information Security Analyst
- Security Analyst
- Certified Ethical Hacker (CEH)
- Ethical Hacker
- Security Consultant, (Computing / Networking / Information Technology)
- Information Security Manager
- Penetration Tester



**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

Quiz

**Career and Growth Ladder in Ethical Hacking**

### Security Market Outlook

Year	Expenditure (billion)
2015	\$75
2020	\$170
2021 (est)	\$29

Year	Costs (billion)
2015	\$500
2019	\$2

Activate Windows

An ethical hacker finds a job in any company which has an internet facing side or anything to do with the web. These include college institutions like MIT and even private companies ranging from logistic services to data warehousing companies. Apart from these, you also get a chance to work for the military and top-secret intelligence gathering agencies like the CIA, Mossad, NSA.

## Ethical Hacker Skill Set

A person with an ethical hacking career is expected to be proficient in database handling, networking, and operating systems and also have excellent soft skills as they need to communicate problems regarding security to the rest of the organization. Other than these generalized skillsets, an ethical hacker also have a good grasp on the following skills:

- Network traffic sniffing
- Orchestrate various network attacks
- Exploit buffer overflow vulnerabilities
- SQL injection
- Password guessing and cracking
- Session hijacking and spoofing
- DNS spoofing

## Coding Challenges:

Using methods `charAt()` & `length()` of `String` class, write a program to print the frequency of each character in a string.

"Hello friend"

Output should be

-: 1

d: 1

e: 2

f: 1

(continued for all character in the string)

Write down a java program to print even and odd numbers series respectively from two threads: t1 and t2 synchronizing on a shared object

Let t1 print message "ping - >" and t2 print message ",--pong".

Take as command line arguments, the following inputs to the program:

Sleep Interval for thread t1

Write down a java program to print even and odd numbers series respectively from two

threads: t1 and t2 synchronizing on a shared object

Let t1 print message "ping - >" and t2 print message ",--pong".

Take as command line arguments, the following inputs to the program:

Sleep Interval for thread t1

Sleep Interval for thread t2

Message per cycle

No of cycles

```
1.import java.util.Scanner;
public class StringOperators
{
public static void main(String args[])
{
int i;
String str;
int counter[] = new int[256];

Scanner in = new Scanner(System.in);

System.out.print("Enter a String : ");

str=in.nextLine();

for (i = 0; i < str.length(); i++) {

counter[(int) str.charAt(i)]++;
}

for (i = 0; i < 256; i++) {

if (counter[i] != 0) {

    System.out.println((char) i + ":-" + counter[i] + " times");
}
}
```

```
}
```

```
}
```

```
}
```

```
2. public class PingPong extends Thread {  
    static StringBuilder object = new StringBuilder("");  
    public static void main(String[] args) throws InterruptedException {
```

```
        Thread t1 = new PingPong();  
        Thread t2 = new PingPong();
```

```
        t1.setName("\nping");  
        t2.setName(" pong");
```

```
        t1.start();  
        t2.start();  
    }
```

```
    @Override  
    public void run() {  
        working();  
    }
```

```
    void working() {  
        while (true) {  
            synchronized (object) {  
                try {  
                    System.out.print(Thread.currentThread().getName());  
                    object.notify();  
                    object.wait();  
                } catch (InterruptedException e) {  
                    e.printStackTrace();  
                }  
            }  
        }  
    }  
}
```

