DAILYONLINEACTIVITIES SUMMARY

Date:	20/05/20		Name:	Safeeq b
Sem&Sec	VIII A		USN:	4AL15CS111

OnlineTestSummary			
Subject	IOT		
Max.Marks	30	Score	24

CertificationCourseSummary			
Course	PENTESTER ACADEMY		
CertificateProvider	PENTESTER Acdemy	Duration	8Hours

CodingChallenges
ProblemStatement:) Using methods charAt() & length() of String class, write a program to print the frequency of each character in a string.
Status:Solved

UploadedthereportinGithub	Yes
IfyesRepositoryname	Safeeq/certifications
Uploadedthereportinslack	Yes

IOT test 1:

Online certification :

1) 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)

```java
package pk;
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)]++;

    }

    // Print Frequency of characters
```

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

        if (counter[i] != 0) {

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

        }

    }

}
}
```

2) 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

```java
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();
}
}
}
}
```