Afnan-15cs058
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Program
1

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

```
import java.util.Scanner;
public class Main
{
public static void main(String[] args) {
int i;
        String str;

        int count[] = new int[256];
        Scanner s = new Scanner(System.in);

        System.out.print("Enter a String : ");
        str=s.nextLine();

         for (i = 0; i < str.length(); i++) {
            count[(int) str.charAt(i)]++;
        }
        for (i = 0; i < 256; i++) {
            if (count[i] != 0) {
                  System.out.println( (char) i  + " : " + count[i]);
            }
        }
}
}
```

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Program 2
Write 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.

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