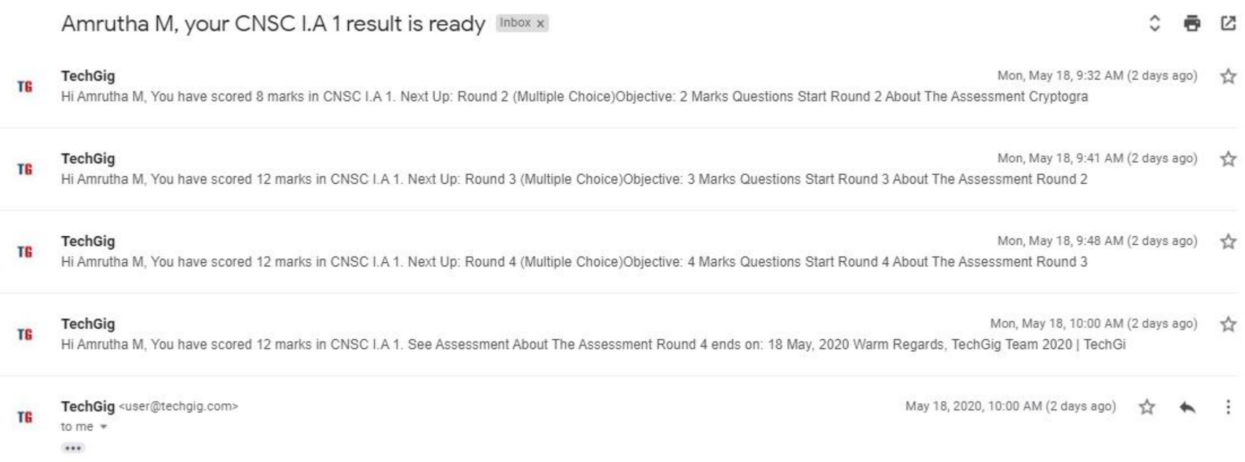
DAILY ONLINE ACTIVITIES SUMMARY

Date:	**18/05/2020**	**Name:**	**Amrutha M**
Sem & Sec	**6th sem & A sec**	**USN:**	**4AL17CS005**
Online Test Summary			
Subject	**CNSC IA Test**		
Max. Marks	**60**	**Score**	**44**
Certification Course Summary			
Course	**Introduction to Full Stack Development**		
Certificate Provider	**Great Learning**	**Duration**	**1.5 hr(spent by me on that day to learn)**
Coding Challenges			
Problem Statement: **1.** Java code to find shortest palindrome for the given string. **2.** Write a simple code to identify given linked list is palindrome or not by using stack. First take a Stack. Traverse through each node of the linked list and push each node value to Stack. .			
Status: Completed			
Uploaded the report in Github	**Yes**		
If yes Repository name	https://github.com/Amrutha-M/Online-Coding		
Uploaded the report in slack	**Yes**		

Online Test Details

CGV TEST Details:



Amrutha M, your CNSC I.A 1 result is ready Inbox ×

TechGig Mon, May 18, 9:32 AM (2 days ago)
Hi Amrutha M, You have scored 8 marks in CNSC I.A 1. Next Up: Round 2 (Multiple Choice)Objective: 2 Marks Questions Start Round 2 About The Assessment Cryptogra

TechGig Mon, May 18, 9:41 AM (2 days ago)
Hi Amrutha M, You have scored 12 marks in CNSC I.A 1. Next Up: Round 3 (Multiple Choice)Objective: 3 Marks Questions Start Round 3 About The Assessment Round 2

TechGig Mon, May 18, 9:48 AM (2 days ago)
Hi Amrutha M, You have scored 12 marks in CNSC I.A 1. Next Up: Round 4 (Multiple Choice)Objective: 4 Marks Questions Start Round 4 About The Assessment Round 3

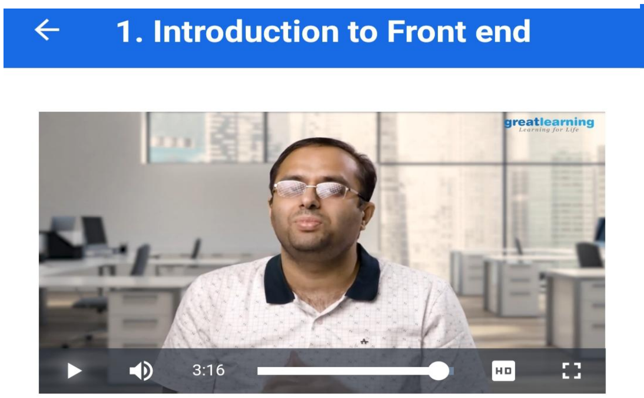
TechGig Mon, May 18, 10:00 AM (2 days ago)
Hi Amrutha M, You have scored 12 marks in CNSC I.A 1. See Assessment About The Assessment Round 4 ends on: 18 May, 2020 Warm Regards, TechGig Team 2020 | TechGi

TechGig <user@techgig.com> May 18, 2020, 10:00 AM (2 days ago)
to me

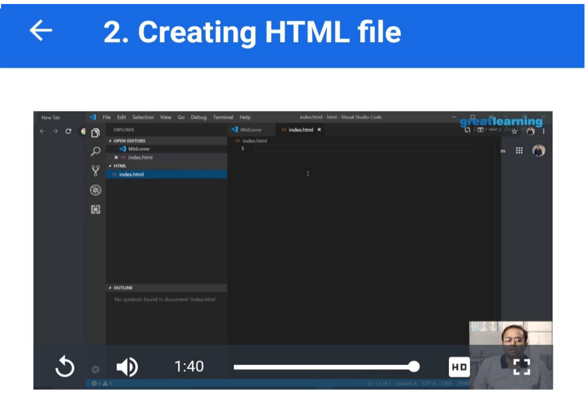
Online Certification Details

Lessons completed:

1. Introduction to front end
2. Creating HTML file
3. HTML Structure
4. Paragraph Tags
5. More on Head Tags

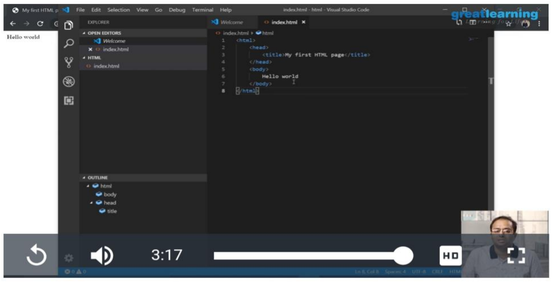


1. Introduction to Front end



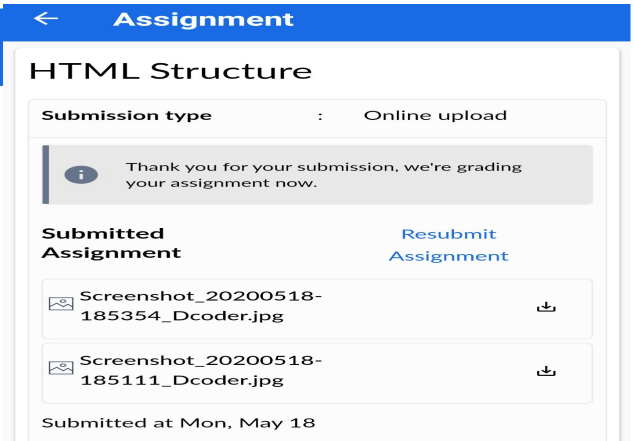
2. Creating HTML file

3. HTML Structure



Hello world

```html
<html>
    <head>
        <title>My first HTML page</title>
    </head>
    <body>
        Hello world
    </body>
</html>
```



HTML Structure

Submission type : Online upload

Thank you for your submission, we're grading your assignment now.

Submitted Assignment

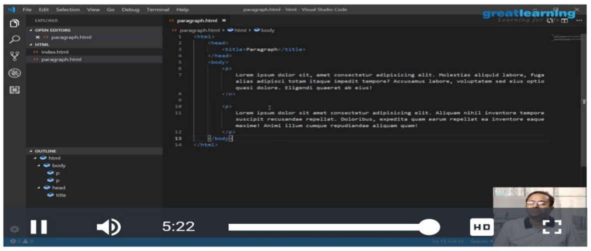
Resubmit Assignment

Screenshot_20200518-185354_Dcoder.jpg

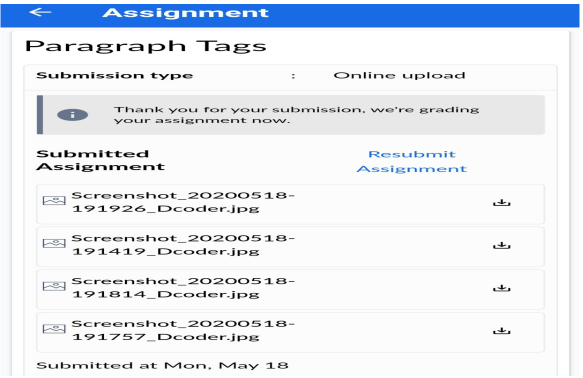
Screenshot_20200518-185111_Dcoder.jpg

Submitted at Mon, May 18

4. Paragraph Tags



```html
<html>
    <head>
        <title>Paragraph</title>
    </head>
    <body>
        <p>
            Lorem ipsum dolor sit, amet consectetur adipisicing elit. Molestias aliquid labore, fuga alias adipisci totam itaque impedit tempore? Accusamus labore, voluptatem sed eius optio quasi dolore. Eligendi quaerat ab eius!
        </p>

        <p>
            Lorem ipsum dolor sit amet consectetur adipisicing elit. Aliquam nihil inventore tempore suscipit recusandae repellat. Doloribus, expedita quam earum repellat ea inventore eaque maxime! Animi illum cumque repudiandae aliquam quam!
        </p>
    </body>
</html>
```



Paragraph Tags

Submission type : Online upload

Thank you for your submission, we're grading your assignment now.

Submitted Assignment

Resubmit Assignment

Screenshot_20200518-191926_Dcoder.jpg

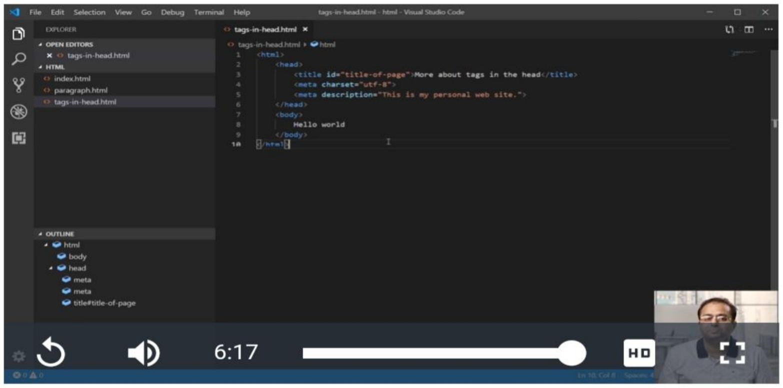
Screenshot_20200518-191419_Dcoder.jpg

Screenshot_20200518-191814_Dcoder.jpg

Screenshot_20200518-191757_Dcoder.jpg

Submitted at Mon, May 18

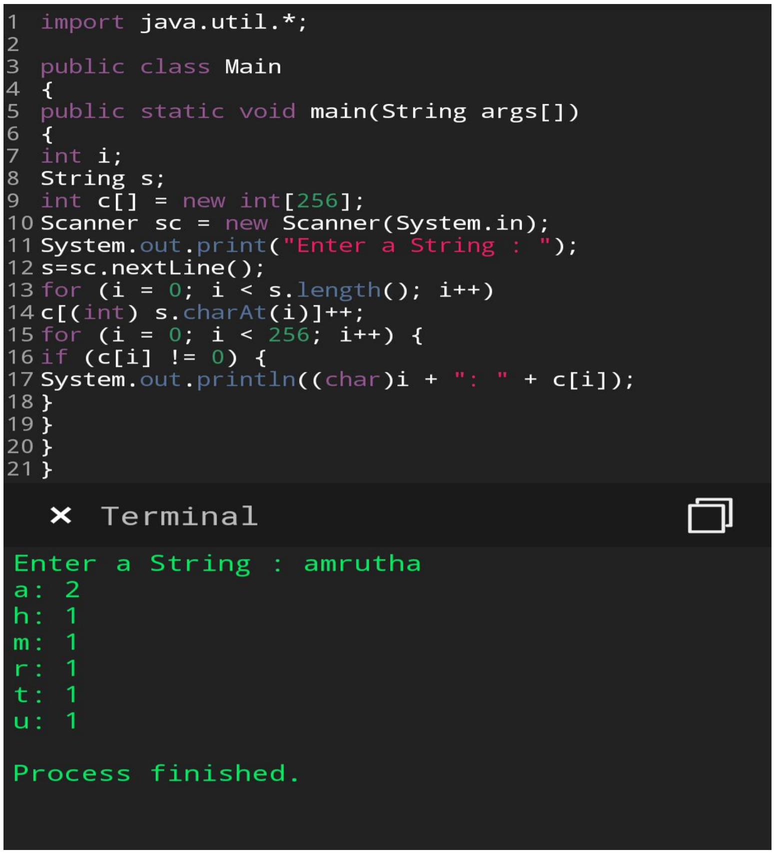
5. More on Head Tags



```html
<html>
    <head>
        <title id="title-of-page">More about tags in the head</title>
        <meta charset="utf-8">
        <meta description="This is my personal web site.">
    </head>
    <body>
        Hello world
    </body>
</html>
```

Coding Challenge Details

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

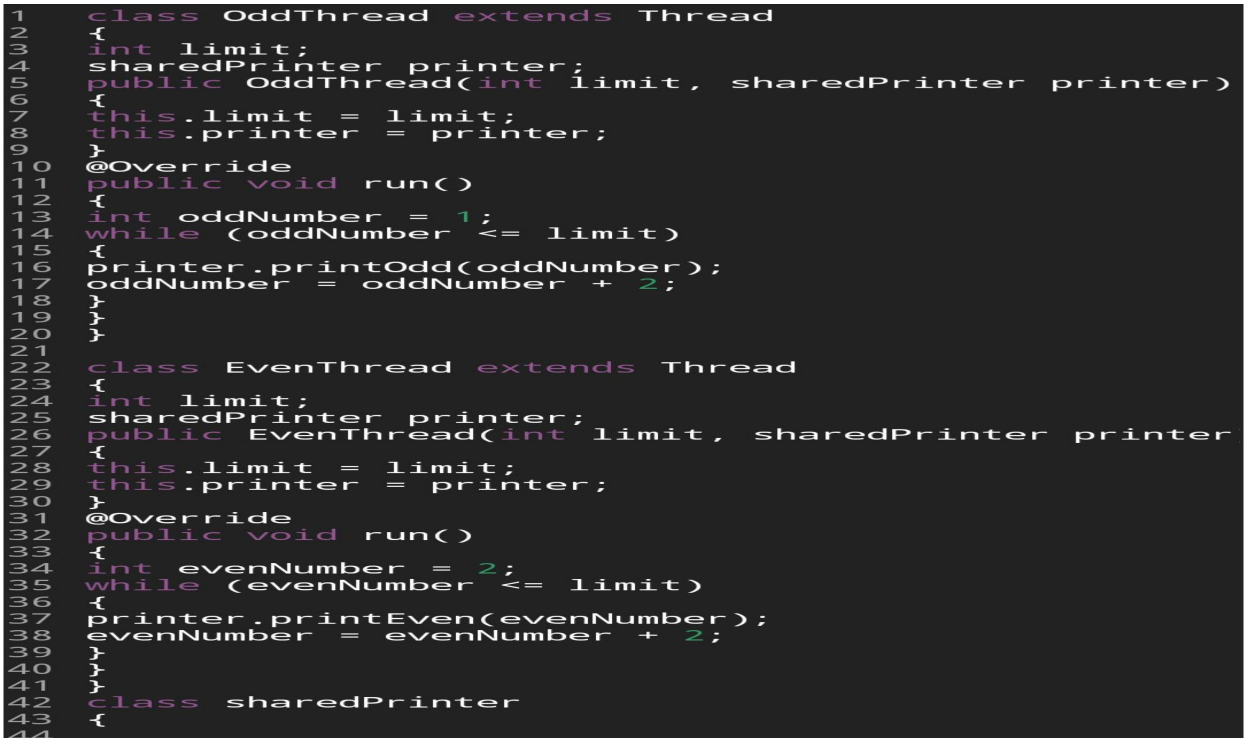


```java
import java.util.*;

public class Main
{
public static void main(String args[])
{
int i;
String s;
int c[] = new int[256];
Scanner sc = new Scanner(System.in);
System.out.print("Enter a String : ");
s=sc.nextLine();
for (i = 0; i < s.length(); i++)
c[(int) s.charAt(i)]++;
for (i = 0; i < 256; i++) {
if (c[i] != 0) {
System.out.println((char)i + ": " + c[i]);
}
}
}
}
```

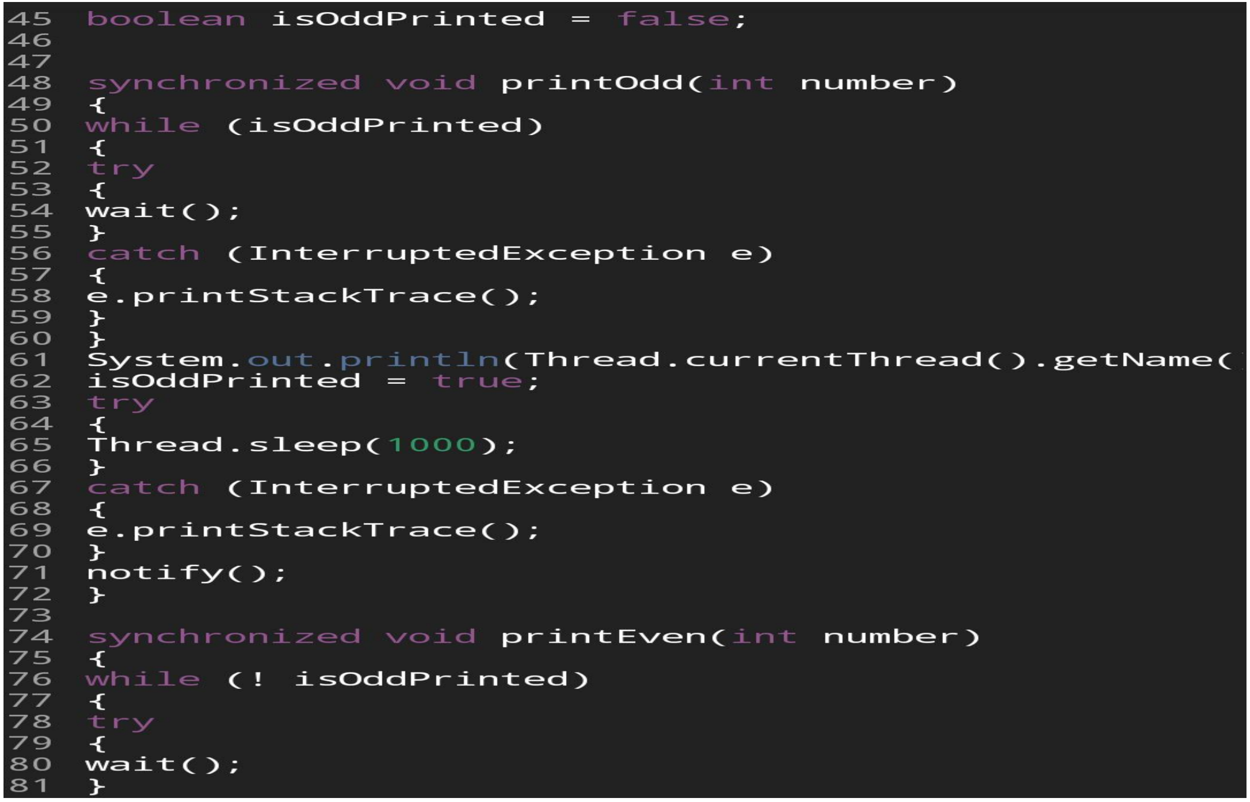
```
Enter a String : amrutha
a: 2
h: 1
m: 1
r: 1
t: 1
u: 1

Process finished.
```

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

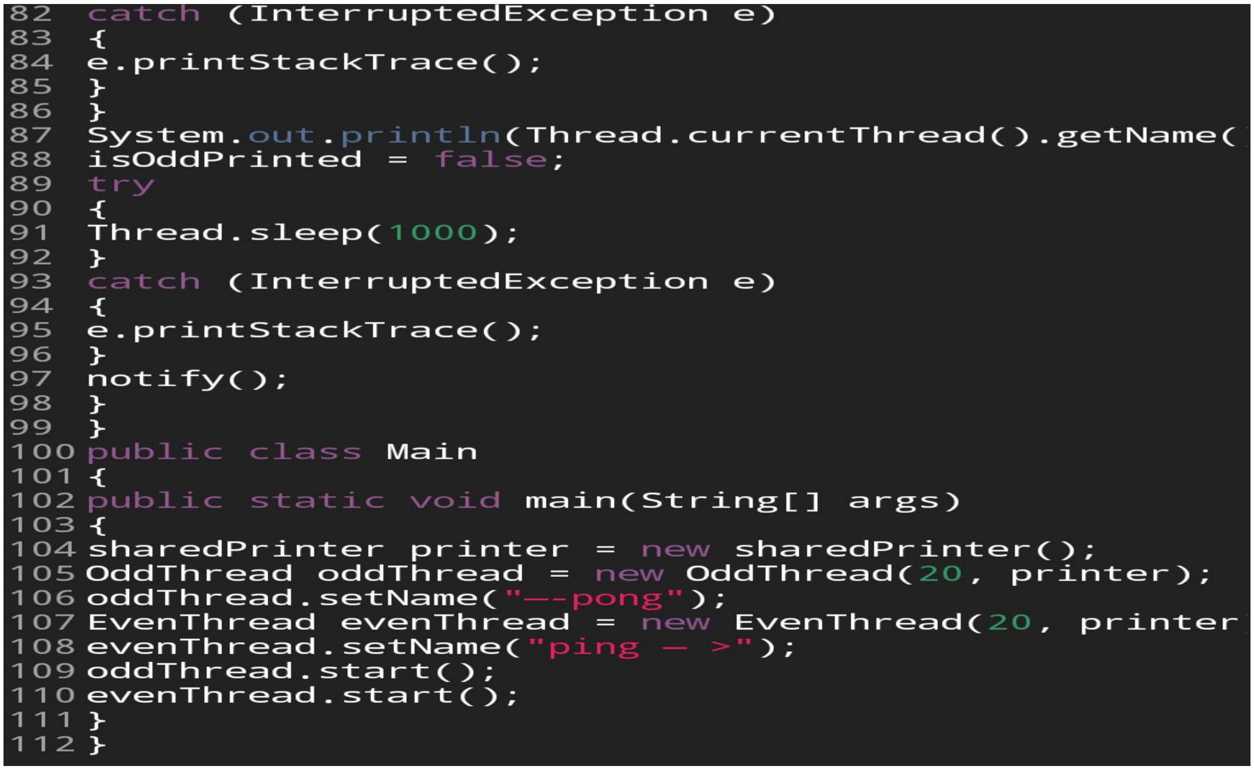
   Let t1 print message “ping — >” and t2 print message “,—-pong”.



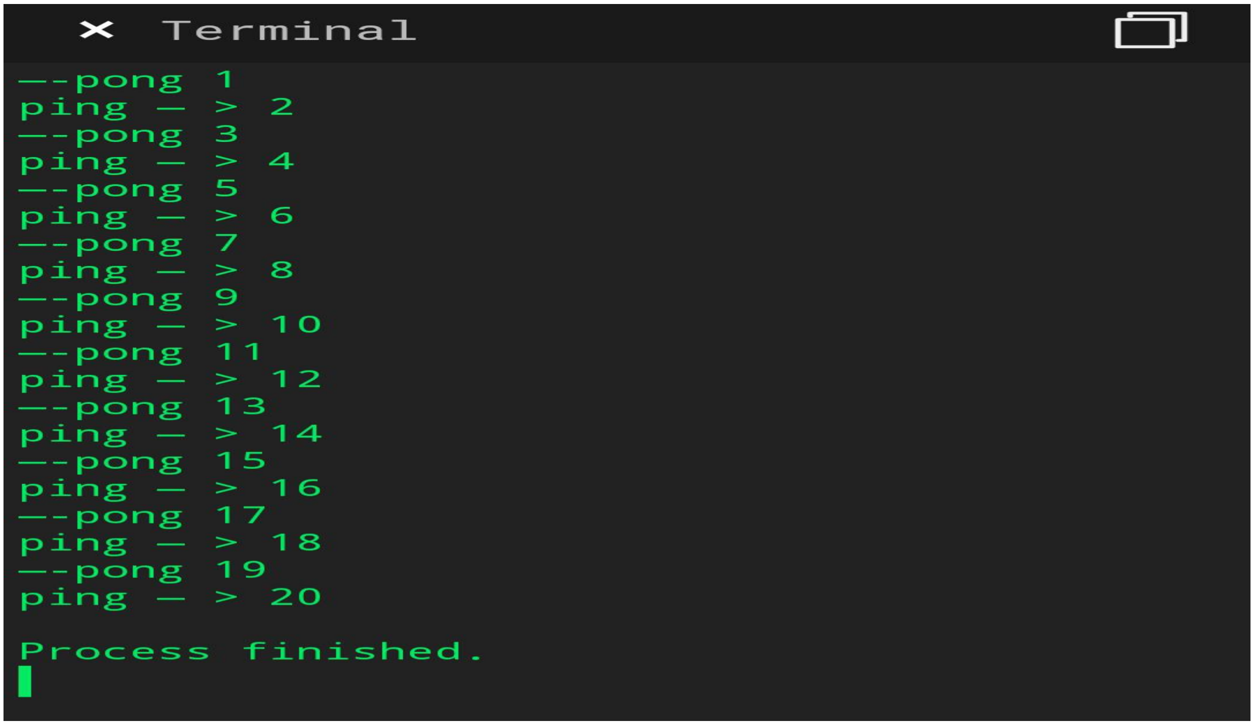
```java
class OddThread extends Thread
{
int limit;
sharedPrinter printer;
public OddThread(int limit, sharedPrinter printer)
{
this.limit = limit;
this.printer = printer;
}
@Override
public void run()
{
int oddNumber = 1;
while (oddNumber <= limit)
{
printer.printOdd(oddNumber);
oddNumber = oddNumber + 2;
}
}
}

class EvenThread extends Thread
{
int limit;
sharedPrinter printer;
public EvenThread(int limit, sharedPrinter printer
{
this.limit = limit;
this.printer = printer;
}
@Override
public void run()
{
int evenNumber = 2;
while (evenNumber <= limit)
{
printer.printEven(evenNumber);
evenNumber = evenNumber + 2;
}
}
}
class sharedPrinter
{
```



```java
boolean isOddPrinted = false;


synchronized void printOdd(int number)
{
while (isOddPrinted)
{
try
{
wait();
}
catch (InterruptedException e)
{
e.printStackTrace();
}
}
System.out.println(Thread.currentThread().getName(
isOddPrinted = true;
try
{
Thread.sleep(1000);
}
catch (InterruptedException e)
{
e.printStackTrace();
}
notify();
}

synchronized void printEven(int number)
{
while (! isOddPrinted)
{
try
{
wait();
}
```



```
catch (InterruptedException e)
{
e.printStackTrace();
}
}
System.out.println(Thread.currentThread().getName(
isOddPrinted = false;
try
{
Thread.sleep(1000);
}
catch (InterruptedException e)
{
e.printStackTrace();
}
notify();
}
}
public class Main
{
public static void main(String[] args)
{
sharedPrinter printer = new sharedPrinter();
OddThread oddThread = new OddThread(20, printer);
oddThread.setName("—-pong");
EvenThread evenThread = new EvenThread(20, printer
evenThread.setName("ping — >");
oddThread.start();
evenThread.start();
}
}
```



```
—-pong 1
ping — > 2
—-pong 3
ping — > 4
—-pong 5
ping — > 6
—-pong 7
ping — > 8
—-pong 9
ping — > 10
—-pong 11
ping — > 12
—-pong 13
ping — > 14
—-pong 15
ping — > 16
—-pong 17
ping — > 18
—-pong 19
ping — > 20

Process finished.
```