

**NAME – RAJDEEP JAISWAL**

**DATE – 31 Oct 2021**

**BRANCH – BTECH CSE**

**SEC = 13 A**

**UID -20BCS2761**

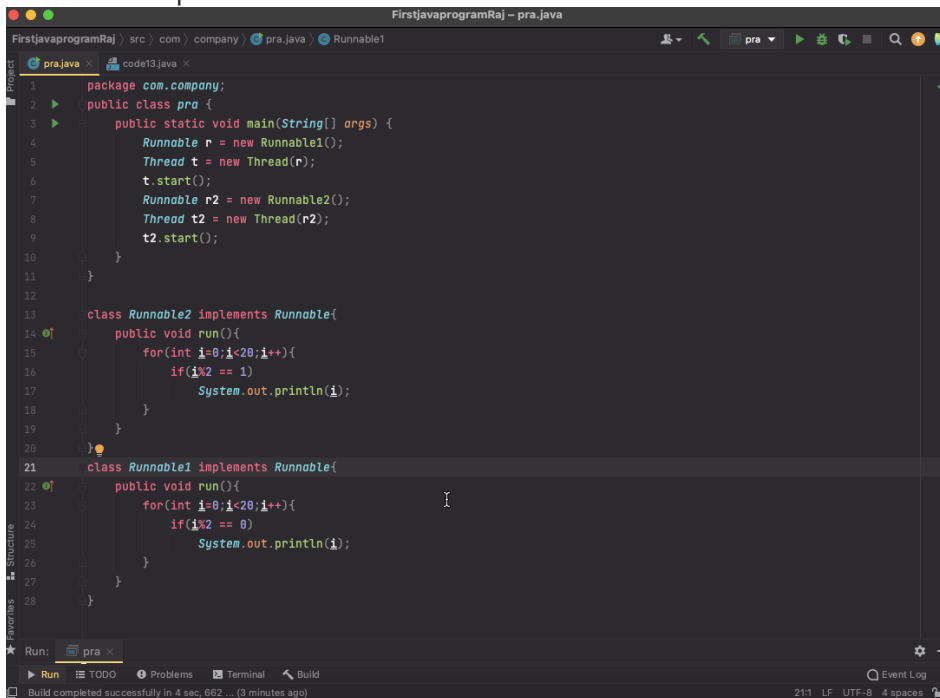
Create two threads, one thread to display all even numbers between 1 & 20, another to display odd numbers between 1 & 20.

Note: Display all even numbers followed by odd numbers

Hint: use join

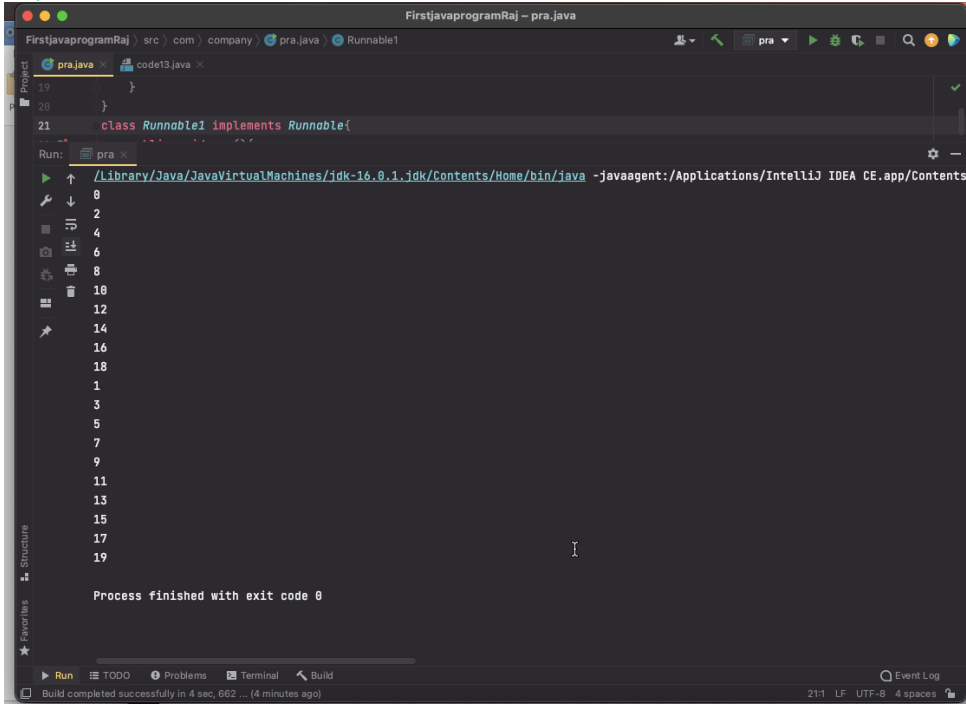
Solution

Code in compiler -



```
FirstjavaprogramRaj - pra.java
FirstjavaprogramRaj | src | com | company | pra.java | Runnable1
pra.java | code13.java
1 package com.company;
2 public class pra {
3     public static void main(String[] args) {
4         Runnable r = new Runnable1();
5         Thread t = new Thread(r);
6         t.start();
7         Runnable r2 = new Runnable2();
8         Thread t2 = new Thread(r2);
9         t2.start();
10    }
11 }
12
13 class Runnable2 implements Runnable{
14     public void run(){
15         for(int i=0;i<20;i++){
16             if(i%2 == 1)
17                 System.out.println(i);
18         }
19     }
20 }
21 class Runnable1 implements Runnable{
22     public void run(){
23         for(int i=0;i<20;i++){
24             if(i%2 == 0)
25                 System.out.println(i);
26         }
27     }
28 }
Run: pra x
Run | TODO | Problems | Terminal | Build
Build completed successfully in 4 sec, 662 ... (3 minutes ago)
211 LF UTF-8 4 spaces
```

Output –



```
FirstjavaprogramRaj - pra.java
Project: FirstjavaprogramRaj | src | com | company | pra.java | Runnable1
Run: pra
/Library/Java/JavaVirtualMachines/jdk-16.0.1.jdk/Contents/Home/bin/java -javaagent:/Applications/IntelliJ IDEA CE.app/Contents
0
2
4
6
8
10
12
14
16
18
19
Process finished with exit code 0
```