Object Oriented Programming Lab 9

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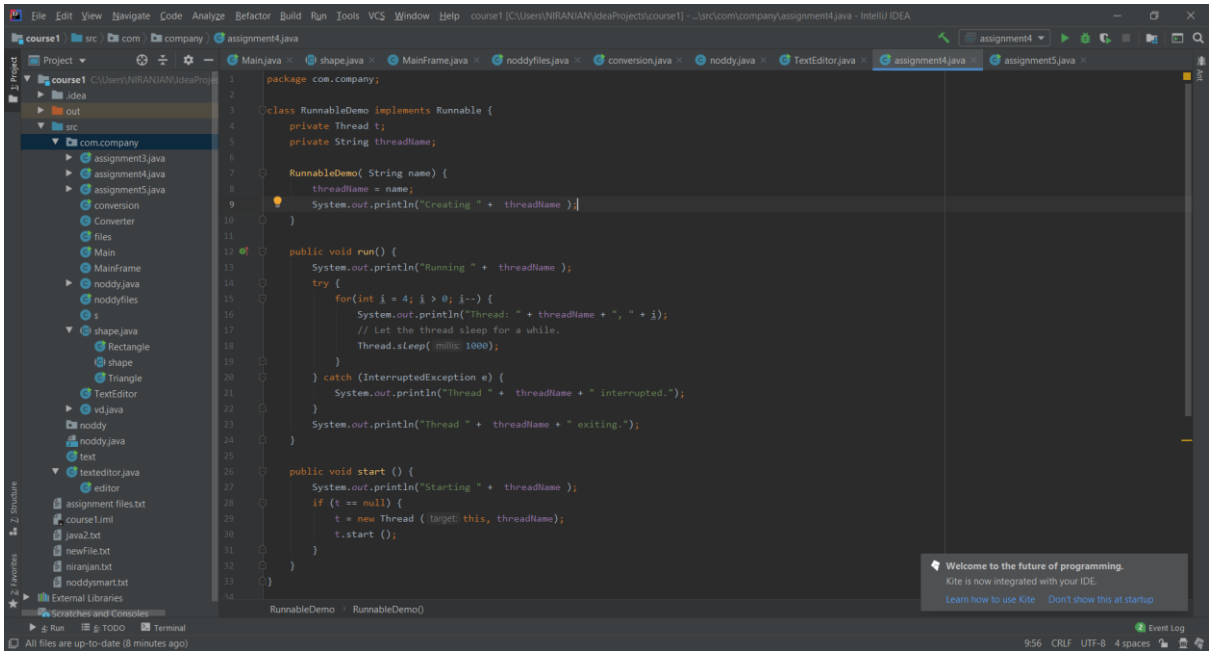
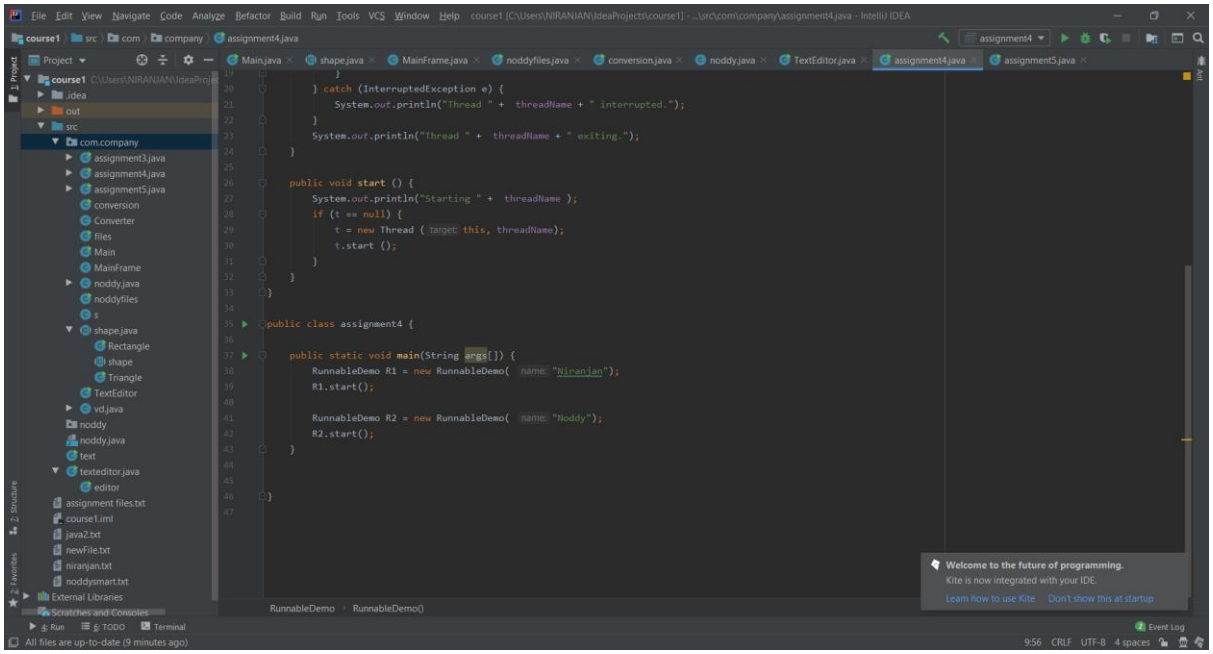
ME-A Batch 3

Problem Statement ->

Write a java program which implements interface to create multiple threads and synchronize their working.

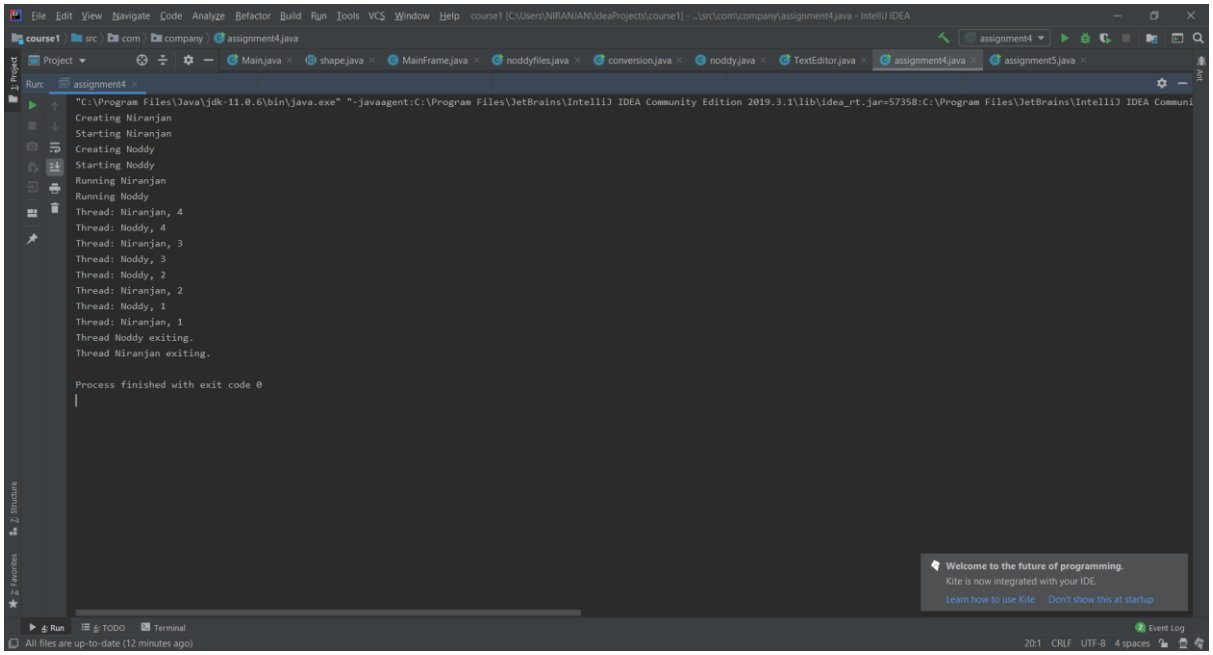
Code ->





```
        }
        } catch (InterruptedException e) {
            System.out.println("Thread " +  threadName + " interrupted.");
        }
        System.out.println("Thread " +  threadName + " exiting.");
    }

    public void start () {
        System.out.println("Starting " +  threadName );
        if (t == null) {
            t = new Thread ( target: this, threadName);
            t.start ();
        }
    }
}

public class assignment4 {

    public static void main(String args[]) {
        RunnableDemo R1 = new RunnableDemo( name: "Niranjan");
        R1.start();

        RunnableDemo R2 = new RunnableDemo( name: "Noddy");
        R2.start();
    }


}
```

Output of the Following Program ->



```
"C:\Program Files\Java\jdk-11.0.6\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2019.3.1\lib\idea_rt.jar=57358:C:\Program Files\JetBrains\IntelliJ IDEA Communi
Creating Niranjan
Starting Niranjan
Creating Noddy
Starting Noddy
Running Niranjan
Running Noddy
Thread: Niranjan, 4
Thread: Noddy, 4
Thread: Niranjan, 3
Thread: Noddy, 3
Thread: Noddy, 2
Thread: Niranjan, 2
Thread: Noddy, 1
Thread: Niranjan, 1
Thread Noddy exiting.
Thread Niranjan exiting.

Process finished with exit code 0
```
