import java.util.Random;

public class FlutureHomework4 implements Runnable

{

public static long startTime = System.currentTimeMillis();

public void run()

{

/\*\*

\* Puts a thread to sleep at a random time (no more than 5 seconds) and

\* prints the name of the thread and the age of the thread

\*/

while(true)

{

System.out.println(Thread.currentThread().getName() + " is: " + age() + " milliseconds old");

try

{

Thread.sleep(RandomNumber());

}

catch (InterruptedException e)

{

e.printStackTrace();

}

}

}

protected static final long age()

{

/\*\*

\* Returns the age of the thread

\*/

return (System.currentTimeMillis() - startTime);

}

public static int RandomNumber()

{

/\*\*

\* Returns a random number no more than 5000

\*/

Random rand = new Random();

int TimeToSleep = rand.nextInt(5000);

return TimeToSleep;

}

public static void main(String[] args) throws InterruptedException

{

/\*\*

\* Creates three threads and starts them

\*/

Thread T0 = new Thread(new FlutureHomework4());

Thread T1 = new Thread(new FlutureHomework4());

Thread T2 = new Thread(new FlutureHomework4());

T0.start();

T1.start();

T2.start();

}

}