

QUIZZSession 2
12 Questions

NAME : _____

CLASS : _____

DATE : _____

1. How do you get a new thread to execute its run method?

- A This automatically happens when you create the thread.
- B Call .start() on the thread.
- C Call .run() on the thread.
- D Call .start() on the thread, then call .run().

2. When is the JVM terminated (i.e., when does a Java program "end")?

- A When the main thread finishes executing.
- B When all non-daemon (user) threads finish executing.
- C Whenn ALL threads finish executing, including daemon (non-user) threads.

3. The operating system knows what a process is.

- A True
- B False

4. The operating system knows what a thread is.

- A True
- B False

5. The operating system knows what a Java thread is.

- A True
- B False

6. A process can always see the memory used by another process.

- A True
- B False

7. A thread can always see the memory used by another thread (of the same process).

- A True
- B False

8. How are different threads scheduled?

- A The thread first created finishes executing, then the second thread, etc.
- B The threads execute one instruction each, taking turns in order of creation.
- C Randomly, but no thread executes two instructions in a row if others "wait".
- D Randomly, there are no guarantees.

?

9. A thread in Java is guaranteed to be mapped to a thread on the operating system.

A Yes

B No

10. The `Thread` class in Java is guaranteed to behave the same on any computer.

A True

B False

11. It is faster to do a context switch between processes than between threads of a process.

A True

B False

12.

```
public class WillItWork {  
    public static class MyThread extends Thread {  
        public void run() {  
            System.out.println("Hello Students!");  
        }  
    }  
    public static void main(String[] args) {  
        Thread t = new MyThread();  
        t.start();  
    }  
}
```

Will this compile and run without a problem?

A No, the threads are not joined.

B Yes.

Answer Key

1.b

2.b

3.a

4.a

5.b

6.b

7.a

8.d

9.b

10.a

11.b

12.b