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TUTORIAL 6: THE CODE:

Task1.java

THE OUTPUT:

```
"C:\Program Files\Java\jdK-16.0.1\bin\java\Thread-2: 3 * 1 = 3
Thread-0: 1 * 1 = 1
Thread-1: 2 * 1 = 2
Thread-0: 1 * 2 = 2
Thread-2: 3 * 2 = 6
Thread-1: 2 * 2 = 4
Thread-2: 3 * 3 = 9
Thread-0: 1 * 3 = 3
Thread-1: 2 * 3 = 6

Process finished with exit code 0
```

```
import java.io.BufferedReader;
import java.io.IOException;
import java.io.InputStreamReader;
public class MyVolatile extends Thread {
    @Override
    public void run() {
        while (running) {
            System.out.println(Thread.currentThread().getName() + ": Thread is running...");
                Thread.sleep( millis: 1000);
            } catch (InterruptedException e) {
                e.printStackTrace();
        System.out.println(Thread.currentThread().getName() + ": Thread stopped.");
    public void shutdown() { running = false; }
   public static void main(String[] args) {
       MyVolatile thread = new MyVolatile();
       thread.start();
       System.out.println("Press ENTER to stop the thread...");
       try (BufferedReader reader = new BufferedReader(new InputStreamReader(System.in))) {
           reader.readLine();
       } catch (IOException e) {
           e.printStackTrace();
       thread.shutdown();
```

THE OUTPUT:

```
Press ENTER to stop the thread...
Thread-0: Thread is running...
Thread-0: Thread is running...
Thread-0: Thread is running...
Thread-0: Thread is running...
Thread-0: Thread stopped.

Process finished with exit code 0
```