

Quiz #7

Java Programming II

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Fill out the blanks with suitable words.

1. The wait() method allows a thread that is executing a synchronized method or statement block on that object to (*release*) the lock and wait for a (*notification*) from another thread.

2. Write the running result of the program below.

```
class Babble extends Thread {
    static boolean doYield;
    static int howOften;
    private String word;
    Babble(String whatToSay) {    word = whatToSay;    }
    public void run() {
        for(int i=0; i<howOften; i++) {
            System.out.println(word);
            if (doYield)        Thread.yield(); // let other threads run
        }
    }
}

public static void main(String[] args) {
    doYield = new Boolean(args[0]).booleanValue();
    howOften = Integer.parseInt(args[1]);

    // create a thread for each world
    for (int i=2; i < args.length; i++)        new Babble(args[i]).start();
}
}
```

command: %java Switch false 2 On Off

result: *On*
On
Off
Off