

## if Statements

Write carefully and **highlight** the output for the following code segments:

```
1.  int a = 28;
    int b = 47;
    int c = 84;

    if((a < 30) && (c >= 85))
        System.out.println("Hello");
    else
        if ((b > 50) || (a > 25))
            System.out.println("Goodbye");
        else
            System.out.println("I can't make up my mind!");
```

**Goodbye**

```
2.  boolean one, two, three;
    one = true;
    two = false;
    three = true;

    if (!one || two)
        System.out.println("Snow Boarding is great!");
    else
        if (one && !three)
            System.out.println("I'd rather ski");
        else
            System.out.println("I prefer water sports");
```

**I prefer water sports**

```
3.  int pocket = 5;
    int bucksNeeded = 20;
    boolean late = false;
    String motto = "have fun!";
    if (late && (pocket < bucksNeeded))
        System.out.println("Let's " + motto);
    else
        System.out.println("It doesn't look like I'll "
            + motto);
```

**It doesn't look like I'll have fun!**

```
4.  int gel = 6; // hours worth of gel in hair
    int hours = 5; // hours you need gel to last
```

```
if (gel < hours)
    System.out.println("You need more gel.");
else
    System.out.println("Your spikes will last the party!");
```

Your spikes will last the party!