What is wrong with this?

```java
int value == 6;
boolean 3or6value;
if ( value == 3 || 6) {
    System.out.println("value is 3 or 6");
    value3or6 == "true";
if ( 0 < value < 10 );
    System.out.println('value < 10');
System.out.println("value=" value);
```
System.out.print( "Choice? ");

int count = 11;
System.out.println( count);
System.out.println( "Count: “ + count + 1);

• escape sequences \n, \", \\
System.out.print( "Fred says \”hello\”\nthis morning.”);
Lazy River

boolean tired = true;
if (tired) {
    System.out.println("take break");
}
Which side of the Island?

boolean sunny = false;
if ( sunny) {
    System.out.print("sunny");
} else {
    System.out.print("not sunny");
}
System.out.println( " and back together");
import java.util.Scanner;
...
Scanner scnr = new Scanner(System.in);
double radius;
if (scnr.hasNextDouble()) {
    radius = scnr.nextDouble();
}
What is wrong with this?

```java
int value = 6;
boolean found3or6;
if ( value == 3 || value == 6) {
    System.out.println("value is 3 or 6");
    found3or6 = true;
}
if ( 0 < value && value < 10 ){
    System.out.println("value < 10");
    System.out.println( "value=“ + value);
}```
Course Notes

● Syllabus
  ○ Readings - type in programs, change
  ○ Program p1
  ○ Piazza (avg response time 27min)
  ○ CodeLab
  ○ Team Labs - presence and participation
  ○ Consulting Hours
  ○ My office hours: Tues 9-11am, Wed 2:45-4:45pm

● WES-CS CompSci 304
  ○ Instructor: tracy.lewiswilliams@wisc.edu
What happens with code

Bombetoka Bay
Madagascar

While loop (indefinite)

boolean finished = false;
while ( !finished) {
   System.out.println("in while loop");
}

for ( int a = 1; a < 5 ; a += 1 ) {
    System.out.println( "a=" + a);;
}
Do loop (indefinite - at least once)

do {
}

} while ( !finished);

while ( !finished) { //indefinite - body may never execute
}
for ( int i=1; i < 5; i++) { //definite
}
Do loop (indefinite - at least once)

Scanner scnr = new Scanner(System.in);
boolean finished = false;
do {
    System.out.print("type quit to end:");
    String result = scnr.nextLine();
    if (result.equals("quit")) {
        finished = true;
    }
} while (!finished);
UML Activity Diagram (Flow Chart)
//declarations...
off = true;
System.out.println("RING, RING");
do {
    System.out.print("Enter to snooze or \"off\" Enter");
    if (response.equals("off")) {
        off = false;
    }
} while (!off);
What does this print out?

```java
for ( int i = -SIZE; i <= SIZE; i+=1) {
    for ( int j = Math.abs(i); j > 0; j--) {
        System.out.print(" ");
    }
    for ( int k = 2*(SIZE-Math.abs(i))+1; k > 0; k-- ) {
        System.out.print("*" );
    }
    System.out.print("\n");
}
```