

## Quiz #2 Answers

1. Given the following code, circle each line that actually gets printed.

```
int a = 1, b = 2, c = 3;
boolean d = true, e = false;
```

```
if(a==1) { System.out.println("First"); }
```

```
if(c<b || b>c) { System.out.println("Second"); }
```

```
if(a<=c && d==e) { System.out.println("Third"); }
```

```
if(1+2==c) { System.out.println("Fourth"); }
```

```
if(d) { System.out.println("Fifth"); }
```

```
if(!e) { System.out.println("Sixth"); }
```

```
if(d || e) { System.out.println("Seventh"); }
```

```
if(6-(c-a)==b && (e||d)) { System.out.println("Eighth"); }
```

```
if(c>b && b>a) { System.out.println("Ninth"); }
```

```
if(a+b!=c || (c*a-b==a && c-a>b)) { System.out.println("Tenth"); }
```

2. Assume that the act method below is in the City class and that whatever the people are doing in your scenario, it occasionally leads to a loss of people. (So it could be something like the people walk into houses.) Write code in this act method so that if the user presses “n”, a new person is added at a random location.

```
public void act() {
    if(Greenfoot.isKeyDown("n")) {
        addObject(new Building(),Greenfoot.getRandomNumber(getWidth()),
            Greenfoot.getRandomNumber(getHeight()));
    }
}
```

Extra Credit: Complete the method below so that when the variable fullName is printed at the end, it contains firstName followed by lastName.

```
public void printName(String firstName, String lastName)
{
    String fullName = "";
    fullName=firstName+" "+lastName;
    System.out.println(fullName);
}
```