1) What gets printed by the following program?

```java
public class Quiz1
{
    public static void main(String args[])
    {
        int a = 20, b = 30, c = 40;
        String petName = "Luca"
;
        // This is our first quiz
        // printing: "character strings go in double quotes"
        // watch out for print vs. println and count the \\
        // 's carefully
        System.out.println("Howdy, " + petName + ", are you a " + "cat or a dog?");
        System.out.println("Here are some numbers: ");
        System.out.println(" a = " + a + " b = " + b + " c = " + c);
        System.out.print("Are cats into \Java\\?\?");
        System.out.print("Are dogs into \Java\\?\?");
        System.out.println("Who \ncares?\nREALLY?");
        System.out.println();
        c = a;
        a = b;
        b = 100;
        System.out.println("Here are the new values: ");
        System.out.println(" a = " + a + " b = " + b + " c = " + c);
    }
}
```

**Output**

Howdy, Luca, are you a cat or a dog?
Here are some numbers:
a = 20 b = 30 c = 40
Are cats into \Java\\?Are dogs into \Java\\?Who cares? REALLY?

Here are the new values:
a = 30 b = 100 c = 20
1) What gets printed by the following program?

```java
public class Quiz1 {
    public static void main(String args[]) {
        int a = 2, b = 2, c = 3;
        String petName = "Rover";

        // This is our first quiz
        // printing: "character strings go in double quotes"
        // watch out for print vs. println and count the \"s carefully
        System.out.println("Howdy, " + petName + ", are you a " + "cat or a dog?");
        System.out.print("Here are some numbers: ");
        System.out.println(" a = " + a + " b = " + b + " c = " + c);
        System.out.println("Are cats into Java?");
        System.out.println("Are dogs into Java?");
        System.out.println("Who 
cares?
REALLY?");
        System.out.println();
        c = a;
        a = b;
        b = 100;
        System.out.println("Here are the new values: ");
        System.out.println(" a = " + a + " b = " + b + " c = " + c);
    }
}
```

Output

Howdy, Rover, are you a cat or a dog?
Here are some numbers: a = 2 b = 2 c = 3
Are cats into Java?
Are dogs into Java?Who cares?
REALLY?

Here are the new values:
a = 2 b = 100 c = 2