1) What gets printed by the following program?

```java
// Guess what this does
public class Quiz1
{
    public static void main(String args[])
    {
        int x = 1;
        int a = 2;
        int b = 3;
        x = a;
        a = b;
        String mood = "happy";

        // "imho Quiz 1 is easy"
        // printing: "character strings go in double quotes"
        // watch out for print vs. println!

        System.out.println(" Welcome to your first "quiz experience\"");
        System.out.println(" x = " + x + " a = " + a + " b = " + b);
        System.out.println(" This is a " + mood + " " + mood + " day!\"");
    }
}
```

**Output**

```
Welcome to your first "quiz experience"
  x = 2 a = 3 b = 3
This is a happy happy day!
```

2) Categorize each of the following errors as leading to a compile-time error (mark as “syntax”), runtime error (mark as “runtime”), or possibly a logical error (mark as “logic”).

- Type “man” instead of “main” **runtime**
- Forget to put a blank to separate words, eg:
  ```java
  System.out.println ("this" + "and" + "that");
  ``` **logic**
- Forget the semicolon at the end of one of the statements **syntax**
1) What gets printed by the following program?

```java
// Guess what this does
public class Quiz1 {
    public static void main(String args[])
    {
        int x = 1;
        int a = x;
        int b = x;
        x = 2;
        a = 3;
        String mood = "happy";

        // "imho Quiz 1 is easy"
        // printing: "character strings go in double quotes"
        // watch out for print vs. println!

        System.out.print(" Welcome to your "first quiz experience\"\"");
        System.out.println(" x = " + x + " a = " + a + " b = " + b);
        System.out.println(" This is a " + mood + mood + mood + " day!");
    }
}
```

**Output**

```
Welcome to your "first quiz experience" x = 2 a = 3 b = 1
This is a happyhappyhappyhappy day!
```

2) Categorize each of the following errors as leading to a compile-time error (mark as “syntax”), runtime error (mark as “runtime”), or possibly a logical error (mark as “logic”).

- Forget to put a blank to separate words, eg:
  ```java
  System.out.println ("this" + "and" + "that");
  ```
  **logic**

- Forget the semicolon at the end of one of the statements

- Type “man” instead of “main” **runtime**