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 println vs. print!

        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?

```
// Guess what this does
public class Quiz1 {
    public static void main(String args[]) {
        int x = 1;
        int a = 2;
        int b = x;
        a = b;
        b = 4;

        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 + " day!");
    }
}
```

**Output**

```
Welcome to your "first quiz experience" x = 1 a = 1 b = 4
This is a happy day!
```

2) Which of the following are valid Java identifiers?

- answer **valid**
- class **not valid – reserved word**
- x1234y **valid**
- last name **not valid – contains blank**
- MAIN **valid**