CS 61A Spring 2016

Structure and Interpretation of Computer Programs

DISCUSSION QUIZ 11 SOLUTIONS

1. (10 points) Kristin's Question (Again)

For each row below, write the output displayed by the interactive SQL interpreter when the query is executed. If the line would cause an error, write ERROR. Assume that you have started SQLite and executed the following:

```
CREATE TABLE tblA AS

SELECT 1 AS col1, "A" AS col2 UNION

SELECT 2, "B";

CREATE TABLE tblB AS

SELECT 1 AS col1, "Z" AS col2 UNION

SELECT 2, "Y" UNION

SELECT 3, "Y";
```

Expression	Output
SELECT col2 FROM tblB;	Z Y Y
SELECT col1 FROM tblA, tblB;	Error
SELECT tblA.col1, tblA.col2, tblB.col1, tblB.col2 FROM tblA, tblB;	1 A 1 Z 1 A 2 Y 1 A 3 Y 2 B 1 Z 2 B 2 Y 2 B 3 Y
SELECT tblA.col1, tblA.col2, tblB.col2 FROM tblA, tblB WHERE tblA.col1 = tblB.col1;	1 A Z 2 B Y