CPSC 304 - Tutorial 4 Basic SQL

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CREATE Command

1. Create a table called test_publisher with attribute pubID(Integer), pubName (varchar(30)) and pubLoc (varchar (55)). The pubID is the primary key.

```
CREATE TABLE test_publisher (
    pubID Integer,
    pubName varchar(30),
    pubLoc varchar(55),
    PRIMARY KEY (pubID)
);
```

SELECT Command

Below SQL commands will be executed on bookbiz.sql

1. Show all columns and rows in the authors table. You should get all 23 rows.

```
SELECT * FROM authors;
```

2. Show the first and last names of all authors. You will get all 23 rows.

```
SELECT au_fname, au_lname FROM authors;
```

3. Show the first and last names of all authors, but this time make the columns labels at the top "FirstName" and "LastName" (no blanks). Use column aliases for this. You will get 23 rows.

```
SELECT au_fname AS FirstName, au_lname AS LastName FROM authors;
```

4. Which authors live in Walnut Creek? Show all columns. You should get 1 row (Akiko Yakomoto).

```
SELECT * FROM authors WHERE CITY='Walnut Creek';<Paste>
```

5. Which orders are incomplete? List the title_ids and the number of titles that still have to be shipped to complete orders. Show only rows where not as many titles have been shipped as ordered. Use the salesdetails table for this. There should be 5 rows in your result.

```
SELECT title_id, SUM(qty_ordered - qty_shipped) FROM salesdetails WHERE qty_shipped < qty_ordered GROUP BY title
```

6. Which editors don't have a boss? List all editors (first and last names) without a boss (NULL in ed_boss field). There will be three rows in the result.

```
SELECT ed_fname, ed_lname FROM editors WHERE ed_boss IS NULL;
```

7. Which non-business books cost between $20 and $30? Give the title, type, and price. There are 6 rows in the result.

```
SELECT title, type, price FROM titles WHERE price >= 20 AND price <= 30 AND type != 'business';
```