

SQL Basics Part 2 Notes

Team Treehouse

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1 Tools We'll be Using

2 Your First SQL Statement

- SELECT
 - **Syntax:** `SELECT * from TABLE_NAME;`
 - * * means 'all columns'

Examples:

```
1  SELECT * FROM books;  
2  SELECT * FROM products;  
3  SELECT * FROM users;  
4  SELECT * FROM countries;  
5
```

3 Exercise 1

- Solution included in *exercise_1.sql*

4 Retrieving Specific Columns of Information

- SELECT with columns

– **Syntax:** `SELECT COLUMN_NAME1, COLUMN_NAME2, ... FROM TABLE_NAME;`

Examples:

```
1 SELECT first_name, last_name FROM customers;
2 SELECT name, description, price FROM products;
3 SELECT title, author, isbn, year_released FROM books;
4 SELECT name, species, legs FROM pets;
5
```

5 Exercise 2

- Solution included in *exercise_2.sql*

6 Categorizing Your Output with 'AS'

- **Syntax:** `SELECT COLUMN_NAME AS ALIAS FROM TABLE_NAME;`
- 'AS' is used to relabel a column to another

Examples:

```
1 SELECT username AS Username, first_name AS "First Name" FROM users
2 ;
3 SELECT title AS Title, year AS "Year Released" FROM movies;
4 SELECT name AS Name, description AS Description, price AS "Current
5 Price" FROM products;
6 SELECT name Name, description Description, price "Current Price"
7 FROM products;
```

7 Exercise 3

- Solution included in *exercise_3.sql*