

CS61A Discussion 10

SQL

Query Structure

```
SELECT [columns] FROM [tables]  
WHERE [condition] ORDER BY [criteria];
```

Worksheet 2.1-2.3

Joins

```
1 CREATE TABLE colour AS
2   SELECT "apple" AS fruit, "red" AS colour UNION
3   SELECT "banana"      , "yellow";
4
5 CREATE TABLE radiation AS
6   SELECT "apple" AS fruit, 0 AS rads UNION
7   SELECT "banana"      , 3250;
```

Aliasing + Joining and when to use it

- Use aliasing when joining a table with itself. There will be two copies of each column name, so we need to a way to distinguish them
- Join when you need more information than one row of a table can tell you. Another row of data in conjunction can reveal more information.

Worksheet 3.1-3.6

Worksheet 4.3