|  |  |
| --- | --- |
|  | SELECT \* FROM bobross.bobross; |
|  | -- set operations |
|  |  |
|  | SELECT APPLE\_FRAME FROM bobross.bobross |
|  | UNION |
|  | SELECT TREE FROM bobross.bobross; |
|  |  |
|  | -- subqueries |
|  |  |
|  | SELECT TITLE, trees, tree FROM bobross.bobross |
|  | WHERE TREE > (SELECT AVG(trees) FROM bobross.bobross); |
|  |  |
|  | -- order of operation of queries |
|  |  |
|  | SELECT EPISODE, TITLE, TREE, TREES, BUSHES FROM bobross.bobross |
|  | WHERE EPISODE LIKE "S01%" AND BUSHES > (SELECT AVG(tree) FROM bobross.bobross) |
|  | ORDER BY EPISODE |
|  | -- GROUP BY TREE Note: This reduces QUERY to one row. |
|  | LIMIT 3 |
|  | OFFSET 2; |
|  |  |
|  | -- creating, altering, and dropping tables |
|  |  |
|  | DROP TABLE IF EXISTS example; |
|  | CREATE TABLE example ( |
|  | exampleID INT NOT NULL auto\_increment, |
|  | colors VARCHAR(100) NOT NULL, |
|  | dumbcolumn INT NOT NULL, |
|  | PRIMARY KEY (exampleID) |
|  | ); |
|  |  |
|  | ALTER TABLE example |
|  | DROP COLUMN dumbcolumn; |
|  |  |
|  | INSERT INTO example (colors) VALUES ('red'); |
|  | INSERT INTO example (colors) VALUES ('green'); |
|  | INSERT INTO example (colors) VALUES ('blue'); |
|  |  |
|  |  |
|  |  |
|  | SELECT \* FROM example; |
|  |  |
|  |  |
|  | -- joins and multiple table joins |
|  | SELECT example.exampleID, example.colors, bobross.bobross.episode, bobross.bobross.title FROM example |
|  | JOIN bobross.bobross |

