

CODE: Introduction to CRUD

Section 5, Lecture 64

```
INSERT INTO cats(name, age) VALUES('Taco', 14);
```

CODE: Preparing Our Data

Section 5, Lecture 66

CODE: Preparing Our Data

Let's drop the existing cats table:

```
DROP TABLE cats;
```

Recreate a new cats table:

```
CREATE TABLE cats
(
  cat_id INT NOT NULL AUTO_INCREMENT,
  name   VARCHAR(100),
  breed  VARCHAR(100),
  age    INT,
  PRIMARY KEY (cat_id)
);
```

```
DESC cats;
```

And finally insert some new cats:

```
INSERT INTO cats(name, breed, age)
VALUES ('Ringo', 'Tabby', 4),
       ('Cindy', 'Maine Coon', 10),
       ('Dumbledore', 'Maine Coon', 11),
       ('Egg', 'Persian', 4),
       ('Misty', 'Tabby', 13),
       ('George Michael', 'Ragdoll', 9),
       ('Jackson', 'Sphynx', 7);
```

CODE: Official Introduction to SELECT

Section 5, Lecture 68

Various Simple SELECT statements:

```
SELECT * FROM cats;
```

```
SELECT name FROM cats;
```

```
SELECT age FROM cats;
```

```
SELECT cat_id FROM cats;
```

```
SELECT name, age FROM cats;
```

```
SELECT cat_id, name, age FROM cats;
```

```
SELECT age, breed, name, cat_id FROM cats;
```

```
SELECT cat_id, name, age, breed FROM cats;
```

CODE: Introduction to WHERE

Section 5, Lecture 70

CODE: Introduction to WHERE

Select by age:

```
SELECT * FROM cats WHERE age=4;
```

Select by name:

```
SELECT * FROM cats WHERE name='Egg';
```

Notice how it deals with case:

```
SELECT * FROM cats WHERE name='egG';
```

CODE: SELECT Challenges Solution

Section 5, Lecture 73

CODE: Select Challenges Solution

```
SELECT cat_id FROM cats;
```

```
SELECT name, breed FROM cats;
```

```
SELECT name, age FROM cats WHERE breed='Tabby';
```

```
SELECT cat_id, age FROM cats WHERE cat_id=age;
```

```
SELECT * FROM cats WHERE cat_id=age;
```

CODE: Introduction to Aliases

Section 5, Lecture 75

CODE: Introduction to Aliases

```
SELECT cat_id AS id, name FROM cats;
```

```
SELECT name AS 'cat name', breed AS 'kitty breed' FROM cats;
```

```
DESC cats;
```

CODE: The UPDATE Command

Section 5, Lecture 77

CODE: Updating Data

Change tabby cats to shorthair:

```
UPDATE cats SET breed='Shorthair' WHERE breed='Tabby';
```

Another update:

```
UPDATE cats SET age=14 WHERE name='Misty';
```

CODE: UPDATE Challenges Solution

Section 5, Lecture 80

CODE: Update Challenges Solution

```
SELECT * FROM cats WHERE name='Jackson';
```

```
UPDATE cats SET name='Jack' WHERE name='Jackson';
```

```
SELECT * FROM cats WHERE name='Jackson';
```

```
SELECT * FROM cats WHERE name='Jack';
```

```
SELECT * FROM cats WHERE name='Ringo';
```

```
UPDATE cats SET breed='British Shorthair' WHERE name='Ringo';
```

```
SELECT * FROM cats WHERE name='Ringo';
```

```
SELECT * FROM cats;
```

```
SELECT * FROM cats WHERE breed='Maine Coon';
```

```
UPDATE cats SET age=12 WHERE breed='Maine Coon';
```

```
SELECT * FROM cats WHERE breed='Maine Coon';
```


CODE: Introduction to DELETE

Section 5, Lecture 82

CODE: DELETING DATA

```
DELETE FROM cats WHERE name='Egg';
```

```
SELECT * FROM cats;
```

```
SELECT * FROM cats WHERE name='egg';
```

```
DELETE FROM cats WHERE name='egg';
```

```
SELECT * FROM cats;
```

```
DELETE FROM cats;
```

CODE: DELETE Challenges Solution

Section 5, Lecture 85

CODE: DELETE Challenges Solution

```
SELECT * FROM cats WHERE age=4;
```

```
DELETE FROM cats WHERE age=4;
```

```
SELECT * FROM cats WHERE age=4;
```

```
SELECT * FROM cats;
```

```
SELECT * FROM cats WHERE cat_id=age;
```

```
DELETE FROM cats WHERE cat_id=age;
```

```
DELETE FROM cats;
```

```
SELECT * FROM cats;
```