Model Queries

Finding Rows

 # Retrieve all rows from one table

```
.all
```

Counting Rows

 # How many rows are there?

`.count`

Finding Rows: Exact Matches Only

 # Find all rows that match

```
where(:column => value)
```

Finding Rows: Exact Matches Only

 # Find all rows that matches multiple criteria

```
where(:column_name => value,
       :column_name2 => value2, ...)
```

Finding Rows: Exact Matches Only

```ruby
# Find the first row that matches

where(:column => value).first

find_by(:column => value)

find_by_column(value)

find(id)
```

Sorting Rows

 # Sort by title, in ascending order

```
.order("title")
.order("title asc")
```

 # Sort by title, in descending order

```
.order("title desc")
```

Chaining

```
where(:rating => 4).count


where(:rating => 4).order('title')
```

Limit and Offset

`.limit(2)`

`.offset(3).limit(2)`

Zero-Based Index

SQL Fragments

 # Use SQL fragments when necessary

```
.where("rating > 4")
```
SQL String

```
.where("rating > 4 OR year = 1995")
```

SQL Fragments: LIKE clauses

 # Use % signs as wildcard markers

 # Enclose SQL string values with single apostrophes

```
.where("name LIKE '%How%' ")
```

```
.where("LOWER(name) LIKE '%how%' ")
```