```
// Part 1
 mysql> CREATE DATABASE jaunty_coffee_erd;
 Query OK, 1 row affected (0.00 sec)
 mysql> USE jaunty_coffee_erd;
 Database changed
 mysql> CREATE TABLE supplier (
     -> supplier_id INT NOT NULL,
     -> company_name VARCHAR(50),
     -> country VARCHAR(30),
     -> sales_contact_name VARCHAR(60),
     -> email VARCHAR(50),
     -> PRIMARY KEY (supplier_id)
     -> );
 Query OK, 0 rows affected (0.06 sec)
 mysql> CREATE TABLE coffee_shop (
     -> shop_id INT NOT NULL,
     -> shop_name VARCHAR(50),
     -> city VARCHAR(50),
     -> state CHAR(2),
     -> PRIMARY KEY (shop_id)
     -> );
 Query OK, 0 rows affected (0.07 sec)
 mysql> CREATE TABLE employee (
     -> employee_id INT NOT NULL,
     -> first_name VARCHAR(30),
     -> last_name VARCHAR(30),
     -> hire_date DATE,
     -> job_title VARCHAR(30),
     -> shop_id INT,
     -> PRIMARY KEY (employee_id),
     -> FOREIGN KEY (shop_id) REFERENCES coffee_shop (shop_id)
     -> );
 Query OK, 0 rows affected (0.11 sec)
 mysql> CREATE TABLE coffee (
     -> coffee_id INT NOT NULL,
     -> shop_id INT,
     -> supplier_id INT,
     -> coffee_name VARCHAR(30),
     -> price_per_pound NUMERIC(5,2),
     -> PRIMARY KEY (coffee_id),
     -> FOREIGN KEY (shop_id) REFERENCES coffee_shop (shop_id),
     -> FOREIGN KEY (supplier_id) REFERENCES supplier (supplier_id)
     -> );
 Query OK, 0 rows affected (0.13 sec)
 mysql> SHOW TABLES;
 +----+
  Tables_in_jaunty_coffee_erd |
 +----+
   coffee
   coffee_shop
   employee
   employee_name
   supplier
 +----+
 5 rows in set (0.00 sec)
// Part 2
 mysql> INSERT INTO supplier (supplier_id, company_name, country, sales_contact_name, email)
     -> VALUES
     -> (150, "Davids Coffee Hut", "United States", "David", "david@thecoffeehut.com"),
     -> (323, "Coffee Barz", "Mexico", "Micheal", "supplier@coffeebarz.com"),
     -> (228, "Roasted and Toasted", "Canada", "Victoria", "victoria.williams@randt.com");
 Query OK, 3 rows affected (0.01 sec)
 Records: 3 Duplicates: 0 Warnings: 0
 mysql> INSERT INTO coffee_shop (shop_id, shop_name, city, state)
     -> VALUES
     -> (987, "Java the Hutt", "Austin", "TX"),
     -> (111, "The Coffee Spot", "Boston", "MA"),
     -> (154, "Koffee World", "Buffalo", "NY");
 Query OK, 3 rows affected (0.04 sec)
 Records: 3 Duplicates: 0 Warnings: 0
 mysql> INSERT INTO employee (employee_id, first_name, last_name, hire_date, job_title, shop_id)
     -> VALUES
     -> (91812, "Peter", "Parker", '2019-12-02', "Manager", 987),
     -> (33215, "Susan", "Storm", '2020-04-21', "Barista", 111),
     -> (99323, "Steven", "Rogers", '2020-11-10', "Shift Lead", 154);
 Query OK, 3 rows affected (0.01 sec)
 Records: 3 Duplicates: 0 Warnings: 0
 mysql> INSERT INTO coffee (coffee_id, shop_id, supplier_id, coffee_name, price_per_pound)
     -> VALUES
     -> (123, 987, 150, "Medium Roast", 21.33),
     -> (765, 111, 323, "Decaf", 15.99),
     -> (882, 154, 228, "Pecan Roast", 13.99);
 Query OK, 3 rows affected (0.08 sec)
 Records: 3 Duplicates: 0 Warnings: 0
 mysql> DESCRIBE supplier;
   Field
                                     Null | Key | Default | Extra
                      | Type
   supplier_id
                       int(11)
                                            PRI | NULL
   company_name
                       varchar(50)
                                   | YES
                                                  NULL
   country
                       varchar(30)
                                   | YES
                                                  NULL
   sales_contact_name |
                       varchar(60)
                                     YES
                                                  NULL
                       varchar(50)
   email
                                     YES
                                                  NULL
 5 rows in set (0.00 sec)
 mysql> DESCRIBE coffee_shop;
                          | Null | Key | Default | Extra |
   Field
             Type
```

mysql> DESCRIBE employee;

4 rows in set (0.00 sec)

shop_id

city

state

| int(11)

char(2)

varchar(50)

shop_name | varchar(50)

Field	Туре	Null	Key	Default	Extra
employee_id first_name last_name hire_date job_title shop_id	int(11) varchar(30) varchar(30) date varchar(30) int(11)	NO YES YES YES YES YES	PRI 	NULL NULL NULL NULL NULL NULL	

| YES

| YES

YES

PRI | NULL

NULL

NULL

NULL

6 rows in set (0.01 sec)

mysql> DESCRIBE coffee;								
Field			Key	Default	Extra			
		NO YES YES YES YES	PRI MUL MUL					

5 rows in set (0.00 sec)

// Part 3

mysql> CREATE VIEW employee_name AS SELECT *, CONCAT(first_name, " ", last_name) AS employee_full_name FROM employee; Query OK, 0 rows affected (0.04 sec)

mysql> SELECT * FROM employee_name; employee_id | first_name | last_name | hire_date | job_title | shop_id | employee_full_name | 33215 | Susan | 2020-04-21 | Barista 111 | Susan Storm Storm 91812 | Peter | 2019-12-02 | Manager Parker 987 | Peter Parker 99323 | Steven Rogers | 2020-11-10 | Shift Lead | 154 | Steven Rogers

3 rows in set (0.00 sec)

// Part 4

mysql> CREATE INDEX coffee_name ON coffee (coffee_name); Query OK, 0 rows affected (0.18 sec) Records: 0 Duplicates: 0 Warnings: 0

mysql> SHOW INDEX FROM coffee;

Table Non_unique Key_name	Seq_in_index	Column_name	Collation	Cardinality	Sub_part	Packed	Null	Index_type	Comment	Index_comment
coffee 0 PRIMARY coffee 1 shop_id coffee 1 supplier_id coffee 1 coffee_name	1 1		:	3 3 3 3	NULL NULL	NULL NULL NULL NULL	YES	BTREE BTREE BTREE BTREE		

4 rows in set (0.00 sec)

// Part 5

```
mysql> SELECT city FROM coffee_shop WHERE state="TX" OR shop_name="Koffee World";
+----+
city |
+----+
```

Austin +----+ 2 rows in set (0.00 sec)

// Part 6

Buffalo

```
mysql> SELECT coffee_shop.shop_name, employee.first_name, coffee.coffee_name
          FROM coffee_shop
   ->
          INNER JOIN employee
   ->
          ON coffee_shop.shop_id=employee.shop_id
```

Medium Roast

Pecan Roast

Decaf

INNER JOIN coffee -> ON coffee shop.shop id=coffee.shop id:

+---first_name | coffee_name shop_name

Peter

Koffee World Steven 3 rows in set (0.00 sec)

The Coffee Spot | Susan

Java the Hutt