

Eduardo Ramirez

C170 Data Management- Applications

B1.)

SQL Fiddle MySQL 5.6 - View Sample Fiddle Clear Text to DDL Donate About

```
19 last_name VARCHAR(45) NOT NULL,
20 hire_date DATE,
21 job_title VARCHAR(30) NOT NULL,
22 shop_id INT NOT NULL,
23 PRIMARY KEY(employee_id),
24 FOREIGN KEY(shop_id) REFERENCES COFFEE_SHOP(shop_id)
25 );
26 CREATE TABLE COFFEE(
27 coffee_id INT NOT NULL,
28 shop_id INT NOT NULL,
29 supplier_id INT NOT NULL,
30 coffee_name VARCHAR(30),
31 price_per_pound DECIMAL(5,2),
32 PRIMARY KEY(coffee_id),
33 FOREIGN KEY(shop_id) REFERENCES COFFEE_SHOP(shop_id),
34 FOREIGN KEY(supplier_id) REFERENCES SUPPLIER(supplier_id)
35 );
36
```

```
1 SELECT * FROM COFFEE_SHOP, SUPPLIER, EMPLOYEE, COFFEE;
```

Build Schema Edit Fullscreen Browser [;] Run SQL Edit Fullscreen [;]

Record Count: 0; Execution Time: 2ms View Execution Plan link

```
1 CREATE TABLE COFFEE_SHOP(
2 shop_id INT NOT NULL,
3 shop_name VARCHAR(50) NOT NULL,
4 city VARCHAR(50) NOT NULL,
5 state CHAR(2),
6 PRIMARY KEY(shop_id)
7 );
8 CREATE TABLE SUPPLIER(
9 supplier_id INT NOT NULL,
10 company_name VARCHAR(50) NOT NULL,
11 country VARCHAR(30) NOT NULL,
12 sales_contact_name VARCHAR(60) NOT NULL,
13 email VARCHAR(50) NOT NULL,
14 PRIMARY KEY(supplier_id)
15 );
16 CREATE TABLE EMPLOYEE(
17 employee_id INT NOT NULL,
18 first_name VARCHAR(45) NOT NULL,
```

```
1 SELECT * FROM COFFEE_SHOP, SUPPLIER, EMPLOYEE, COFFEE;
```

Build Schema Edit Fullscreen Browser [;] Run SQL Edit Fullscreen [;]

Record Count: 0; Execution Time: 2ms View Execution Plan link

Did this query solve the problem? If so, consider donating \$5 to help make sure SQL Fiddle will be here next time you need help with a database problem. Thanks!

B2.)

SQL Fiddle MySQL 5.6 - View Sample Fiddle Clear Text to DDL Donate About

```
32 PRIMARY KEY(coffee_id),
33 FOREIGN KEY(shop_id) REFERENCES COFFEE_SHOP(shop_id),
34 FOREIGN KEY(supplier_id) REFERENCES SUPPLIER(supplier_id)
35 );
36
37 INSERT INTO Coffee_Shop (shop_id, shop_name, city, state)
38 VALUES (1, 'Jaunty Coffee Co. ERD', 'Cameron', 'TX');
39
40 INSERT INTO SUPPLIER (supplier_id, company_name, country, sales_contact_n
41 VALUES (1, 'Tacos Locos', 'US', 'Juan Lopez', 'juanloop31345@email.com');
42
43 INSERT INTO EMPLOYEE (employee_id, first_name, last_name, hire_date, job_
44 shop_id)
45 VALUES (1, 'Juan', 'Lopez', '2021-05-03', 'cashier', 1);
46
47 INSERT INTO COFFEE (coffee_id, shop_id, supplier_id, coffee_name, price_p
48 VALUES (1, 1, 1, 'decaf', 5.00);
49
```

```
1 SELECT * FROM Coffee_Shop, SUPPLIER, EMPLOYEE, COFFEE;
```

Build Schema Edit Fullscreen Browser [;] Run SQL Edit Fullscreen [;]

shop_id	shop_name	city	state	supplier_id	company_name	country	sales_contact_name	email	employee_id	first_name	last_name	hire_date	job_title	shop_id	coffee_id	shop_id	supplier_id	coffee_name	price_per_pound
1	Jaunty Coffee Co. ERD	Cameron	TX	1	Tacos Locos	US	Juan Lopez	juanloop31345@email.com	1	Juan	Lopez	2021-05-03	cashier	1	1	1	1	decaf	5

Record Count: 1; Execution Time: 14ms View Execution Plan link

B3.)

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SQL Fiddle MySQL 5.6 View Sample Fiddle Clear Text to DDL Donate About

```
41 VALUES (1, 'Tacos Locos', 'US', 'Juan Lopez', 'juanloop31345@email.com');
42
43 INSERT INTO EMPLOYEE (employee_id, first_name, last_name, hire_date, job_t
44 shop_id)
45 VALUES (1, 'Juan', 'Lopez', '2021-05-03', 'cashier', 1);
46
47 INSERT INTO COFFEE (coffee_id, shop_id, supplier_id, coffee_name, price_pe
48 VALUES(1, 1, 1, 'decaf', 5.00);
49
50 CREATE VIEW EmployeeView AS SELECT
51 employee_id,
52 CONCAT(first_name, ' ', last_name) AS employee_full_name,
53 hire_date,
54 job_title,
55 shop_id
56 FROM EMPLOYEE;
57
```

```
1 SELECT * FROM EmployeeView
```

Build Schema Edit Fullscreen Browser [;]

Run SQL Edit Fullscreen [;]

employee_id	employee_full_name	hire_date	job_title	shop_id
1	Juan Lopez	2021-05-03	cashier	1

Record Count: 1; Execution Time: 12ms View Execution Plan link

B4.)

SQL Fiddle MySQL 5.6 View Sample Fiddle Clear Text to DDL Donate About

```
42
43 INSERT INTO EMPLOYEE (employee_id, first_name, last_name, hire_date, job_
44 shop_id)
45 VALUES (1, 'Juan', 'Lopez', '2021-05-03', 'cashier', 1);
46
47 INSERT INTO COFFEE (coffee_id, shop_id, supplier_id, coffee_name, price_p
48 VALUES(1, 1, 1, 'decaf', 5.00);
49
50 CREATE VIEW EmployeeView AS SELECT
51 employee_id,
52 CONCAT(first_name, ' ', last_name) AS employee_full_name,
53 hire_date,
54 job_title,
55 shop_id
56 FROM EMPLOYEE;
57
58 CREATE INDEX CoffeeNameIDX ON COFFEE(coffee_name);
```

```
1 SHOW INDEX FROM COFFEE;
```

Build Schema Edit Fullscreen Browser [;]

Run SQL Edit Fullscreen [;]

Table	Non_unique	Key_name	Seq_in_index	Column_name	Collation	Cardinality	Sub_part	Packed	Null	Index_type	Comment	Index_comment
coffee	0	PRIMARY	1	coffee_id	A	1	(null)	(null)		BTREE		
coffee	1	shop_id	1	shop_id	A	1	(null)	(null)		BTREE		
coffee	1	supplier_id	1	supplier_id	A	1	(null)	(null)		BTREE		
coffee	1	CoffeeNameIDX	1	coffee_name	A	1	(null)	(null)	YES	BTREE		

Record Count: 4; Execution Time: 17ms link

B5.)

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SQL Fiddle MySQL 5.6 View Sample Fiddle Clear Text to DDL Donate About

```
35 );
36
37 INSERT INTO Coffee_Shop (shop_id, shop_name, city, state)
38 VALUES (1, 'Jaunty Coffee Co. ERD', 'Cameron', 'TX');
39
40 INSERT INTO SUPPLIER (supplier_id, company_name, country, sales_contact_name, email)
41 VALUES (1, 'Tacos Locos', 'US', 'Juan Lopez', 'juanloop31345@email.com');
42
43 INSERT INTO EMPLOYEE (employee_id, first_name, last_name, hire_date, job_title, shop_id)
44 VALUES (1, 'Juan', 'Lopez', '2021-05-03', 'cashier', 1);
45
46
47 INSERT INTO COFFEE (coffee_id, shop_id, supplier_id, coffee_name, price_per_pound)
48 VALUES (1, 1, 1, 'decaf', 5.00);
49
50 CREATE VIEW EmployeeView AS SELECT
51 employee_id,
```

```
1 SELECT company_name FROM SUPPLIER
2 WHERE company_name = 'Tacos Locos';
```

Build Schema Edit Fullscreen Browser [;] Run SQL Edit Fullscreen [;]

company_name

Tacos Locos

Record Count: 1; Execution Time: 2ms View Execution Plan link

B6.)

SQL Fiddle MySQL 5.6 View Sample Fiddle Clear Text to DDL Donate About

```
34 KEY(supplier_id) REFERENCES SUPPLIER(supplier_id)
35
36
37 CO Coffee_Shop (shop_id, shop_name, city, state)
38 'Jaunty Coffee Co. ERD', 'Cameron', 'TX');
39
40 TO SUPPLIER (supplier_id, company_name, country, sales_contact_name, email)
41 'Tacos Locos', 'US', 'Juan Lopez', 'juanloop31345@email.com');
42
43 TO EMPLOYEE (employee_id, first_name, last_name, hire_date, job_title, shop_id)
44 (1, 'Juan', 'Lopez', '2021-05-03', 'cashier', 1);
45
46
47 TO COFFEE (coffee_id, shop_id, supplier_id, coffee_name, price_per_pound)
48 1, 1, 'decaf', 5.00);
49
50 W EmployeeView AS SELECT
```

```
1 SELECT C.*, CS.*, E.*
2 FROM Coffee_Shop CS
3 INNER JOIN COFFEE C ON C.shop_id = CS.shop_id
4 INNER JOIN EMPLOYEE E ON E.shop_id = CS.shop_id;
```

Build Schema Edit Fullscreen Browser [;] Run SQL Edit Fullscreen [;]

coffee_id	shop_id	supplier_id	coffee_name	price_per_pound	shop_id	shop_name	city	state	employee_id	first_name	last_name	hire_date	job_title	shop_id
1	1	1	decaf	5	1	Jaunty Coffee Co. ERD	Cameron	TX	1	Juan	Lopez	2021-05-03	cashier	1

Record Count: 1; Execution Time: 2ms View Execution Plan link