

## Setting Up Tables

### COFFEES Table

The **COFFEES** table stores information about the coffees available for sale at The Coffee Break:

COF_NAME	SUP_ID	PRICE	SALES	TOTAL
Colombian	101	7.99	0	0
French_Roast	49	8.99	0	0
Espresso	150	9.99	0	0
Colombian_Decaf	101	8.99	0	0
French_Roast_Decaf	49	9.99	0	0

The following describes each of the columns in the **COFFEES** table:

- **COF\_NAME**: Stores the coffee name. Holds values with a SQL type of **VARCHAR** with a maximum length of 32 characters. Because the names are different for each type of coffee sold, the name uniquely identifies a particular coffee and serves as the primary key.
- **SUP\_ID**: Stores a number identifying the coffee supplier. Holds values with a SQL type of **INTEGER**. It is defined as a foreign key that references the column **SUP\_ID** in the **SUPPLIERS** table. Consequently, the DBMS will enforce that each value in this column matches one of the values in the corresponding column in the **SUPPLIERS** table.
- **PRICE**: Stores the cost of the coffee per pound. Holds values with a SQL type of **FLOAT** because it needs to hold values with decimal points. (Note that money values would typically be stored in a SQL type **DECIMAL** or **NUMERIC**, but because of differences among DBMSs and to avoid incompatibility with earlier versions of JDBC, the tutorial uses the more standard type **FLOAT**.)
- **SALES**: Stores the number of pounds of coffee sold during the current week. Holds values with a SQL type of **INTEGER**.
- **TOTAL**: Stores the number of pounds of coffee sold to date. Holds values with a SQL type of **INTEGER**.

### SUPPLIERS Table

The **SUPPLIERS** stores information about each of the suppliers:

<b>SUP_ID</b>	<b>SUP_NAME</b>	<b>STREET</b>	<b>CITY</b>	<b>STATE</b>	<b>ZIP</b>
101	Acme, Inc.	99 Market Street	Groundsville	CA	95199
49	Superior Coffee	1 Party Place	Mendocino	CA	95460
150	The High Ground	100 Coffee Lane	Meadows	CA	93966

The following describes each of the columns in the **SUPPLIERS** table:

- **SUP\_ID**: Stores a number identifying the coffee supplier. Holds values with a SQL type of **INTEGER**. It is the primary key in this table.
- **SUP\_NAME**: Stores the name of the coffee supplier.
- **STREET**, **CITY**, **STATE**, and **ZIP**: These columns store the address of the coffee supplier.

## **COF\_INVENTORY Table**

The table **COF\_INVENTORY** stores information about the amount of coffee stored in each warehouse:

<b>WAREHOUSE_ID</b>	<b>COF_NAME</b>	<b>SUP_ID</b>	<b>QUAN</b>	<b>DATE_VAL</b>
1234	House_Blend	49	0	2006_04_01
1234	House_Blend_Decaf	49	0	2006_04_01
1234	Colombian	101	0	2006_04_01
1234	French_Roast	49	0	2006_04_01
1234	Espresso	150	0	2006_04_01
1234	Colombian_Decaf	101	0	2006_04_01

The following describes each of the columns in the **COF\_INVENTORY** table:

- **WAREHOUSE\_ID**: Stores a number identifying a warehouse.
- **COF\_NAME**: Stores the name of a particular type of coffee.
- **SUP\_ID**: Stores a number identifying a supplier.
- **QUAN**: Stores a number indicating the amount of merchandise available.
- **DATE**: Stores a timestamp value indicating the last time the row was updated.

## **MERCH\_INVENTORY Table**

The table **MERCH\_INVENTORY** stores information about the amount of non-coffee merchandise in stock:

ITEM_ID	ITEM_NAME	SUP_ID	QUAN	DATE
00001234	Cup_Large	00456	28	2006_04_01
00001235	Cup_Small	00456	36	2006_04_01
00001236	Saucer	00456	64	2006_04_01
00001287	Carafe	00456	12	2006_04_01
00006931	Carafe	00927	3	2006_04_01
00006935	PotHolder	00927	88	2006_04_01
00006977	Napkin	00927	108	2006_04_01
00006979	Towel	00927	24	2006_04_01
00004488	CofMaker	08732	5	2006_04_01
00004490	CofGrinder	08732	9	2006_04_01
00004495	EspMaker	08732	4	2006_04_01
00006914	Cookbook	00927	12	2006_04_01

The following describes each of the columns in the **MERCH\_INVENTORY** table:

- **ITEM\_ID**: Stores a number identifying an item.
- **ITEM\_NAME**: Stores the name of an item.
- **SUP\_ID**: Stores a number identifying a supplier.
- **QUAN**: Stores a number indicating the amount of that item available.
- **DATE**: Stores a timestamp value indicating the last time the row was updated.

## COFFEE\_HOUSES Table

The table **COFFEE\_HOUSES** stores locations of coffee houses:

STORE_ID	CITY	COFFEE	MERCH	TOTAL
10023	Mendocino	3450	2005	5455
33002	Seattle	4699	3109	7808
10040	SF	5386	2841	8227

32001	Portland	3147	3579	6726
10042	SF	2863	1874	4710
10024	Sacramento	1987	2341	4328
10039	Carmel	2691	1121	3812
10041	LA	1533	1007	2540
33005	Olympia	2733	1550	4283
33010	Seattle	3210	2177	5387
10035	SF	1922	1056	2978
10037	LA	2143	1876	4019
10034	San_Jose	1234	1032	2266
32004	Eugene	1356	1112	2468

The following describes each of the columns in the **COFFEE\_HOUSES** table:

- **STORE\_ID**: Stores a number identifying a coffee house. It indicates, among other things, the state in which the coffee house is located. A value beginning with 10, for example, means that the state is California. **STORE\_ID** values beginning with 32 indicate Oregon, and those beginning with 33 indicate the state of Washington.
- **CITY**: Stores the name of the city in which the coffee house is located.
- **COFFEE**: Stores a number indicating the amount of coffee sold.
- **MERCH**: Stores a number indicating the amount of merchandise sold.
- **TOTAL**: Stores a number indicating the total amount of coffee and merchandise sold.

## **DATA\_REPOSITORY Table**

The table **DATA\_REPOSITORY** stores URLs that reference documents and other data of interest to The Coffee Break. The script [populate\\_tables.sql](#) does not add any data to this table. The following describes each of the columns in this table:

- **DOCUMENT\_NAME**: Stores a string that identifies the URL.
- **URL**: Stores a URL.