



Create Tables

Run the cell below to create tables for the questions in this notebook.

```
%run ../Utilities/01-CreateTables
```

Declared the following table:

- **discounts**

Declared the following table:

- **discounts2**

Question 1: Modify a Table

Summary

Modify the columns in table **discounts** to match the provided schema.

Steps to Complete

Write a SQL query that achieves the following:

- Selects columns **discountId**, **code**, and **price**
- Converts column **discountId** to type **Long**

- Converts column `price` to type `Double`, multiplies it by 100 and then converts to type `Integer`
- Saves this to a temporary view named `q1Results`

```
CREATE OR REPLACE TEMPORARY VIEW q1Results
AS
SELECT
CAST(discountId AS Long),
code,
CAST(CAST(price AS Double)*100 AS INT) price
FROM discounts
```

OK

```
SELECT * FROM q1Results
```

	discountId ▲	code ▲	price ▲	
1	4895554448746211000	s4ZMhBTfIBw7	446605	
2	8151144905769343000	vzZjMwK7us26	223698	
3	5045821528940880000	MHy3FWPwuDw3	419603	
4	6878394900174072000	v4FGotjBrabl	574075	
5	8025583264729804000	rKYgKzhtxmdz	517085	
6	7990147143746850000	3gszsHrM6068	255232	
7	9086843171616272000	5jSJPrQdXMsN	278105	

Truncated results, showing first 1000 rows.

Question 2: Basic Math and Drop Columns

Summary

Modify the columns in table `discounts2` to match the provided schema.

Steps to complete

Write a SQL query on the table `discounts2` that achieves the following:

- Converts column `active` to type `Boolean`

- Creates the column **price** by converting the column **cents** to type **Double** and dividing by 100
- Drops the **cents** column
- Saves this to a temporary view named **q2Results**

```
CREATE OR REPLACE TEMPORARY VIEW q2Results
AS
```

```
SELECT
```

```
code,
```

```
CAST(active AS Boolean),
```

```
CAST(cents AS Double)/100 price
```

```
FROM discounts2
```

OK

```
DESCRIBE q2Results
```

	col_name ▲	data_type ▲	comment ▲
1	code	string	null
2	active	boolean	null
3	price	double	null

Showing all 3 rows.

```
SELECT * FROM q2Results
```

	code ▲	active ▲	price ▲
1	s4ZMhBTfIBw7	false	4466.05
2	vzZjMwK7us26	true	2236.98
3	MHy3FWPwuDw3	true	4196.03
4	v4FGotjBrabl	false	5740.75
5	rKYgKzhtxmdz	false	5170.85
6	3gszsHrM6068	true	2552.32
7	5jSJPrQdXMsN	true	2781.05

Truncated results, showing first 1000 rows.

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