

* Table Creation is from lines 6 through 26.

* The actual assignment starts at line 28.

* Hit the run button at the top left corner to execute the program.

```
create table store_revenue (  
    id int not null primary key auto_increment,  
    date datetime,  
    brand_id int,  
    store_location varchar(250),  
    revenue float  
);
```

```
create table marketing_data (  
    id int not null primary key auto_increment,  
    date datetime,  
    geo varchar(2),  
    impressions float,  
    clicks float  
);
```

```
insert into store_revenue(date, brand_id, store_location, revenue) values ('2016-01-01','1','United  
States-CA','100'),('2016-01-01','1','United States-TX','420'),('2016-01-01','1','United States-  
NY','142'),('2016-01-02','1','United States-CA','231'),('2016-01-02','1','United States-TX','2342'),('2016-  
01-02','1','United States-NY','232'),('2016-01-03','1','United States-CA','100'),('2016-01-03','1','United  
States-TX','420'),('2016-01-03','1','United States-NY','3245'),('2016-01-04','1','United States-  
CA','34'),('2016-01-04','1','United States-TX','3'),('2016-01-04','1','United States-NY','54'),('2016-01-  
05','1','United States-CA','45'),('2016-01-05','1','United States-TX','423'),('2016-01-05','1','United States-  
NY','234'),('2016-01-01','2','United States-CA','234'),('2016-01-01','2','United States-TX','234'),('2016-01-  
01','2','United States-NY','142'),('2016-01-02','2','United States-CA','234'),('2016-01-02','2','United  
States-TX','3423'),('2016-01-02','2','United States-NY','2342'),('2016-01-03','2','United States-  
CA','234234'),('2016-01-06','3','United States-TX','3'),('2016-01-03','2','United States-TX','3'),('2016-01-  
03','2','United States-NY','234'),('2016-01-04','2','United States-CA','2'),('2016-01-04','2','United States-
```

```
TX','2354'),('2016-01-04','2','United States-NY','45235'),('2016-01-05','2','United States-CA','23'),('2016-01-05','2','United States-TX','4'),('2016-01-05','2','United States-NY','124');
```

```
insert into marketing_data (date, geo, impressions, clicks) values ('2016-01-01','TX','2532','45'),('2016-01-01','CA','3425','63'),('2016-01-01','NY','3532','25'),('2016-01-01','MN','1342','784'),('2016-01-02','TX','3643','23'),('2016-01-02','CA','1354','53'),('2016-01-02','NY','4643','85'),('2016-01-02','MN','2366','85'),('2016-01-03','TX','2353','57'),('2016-01-03','CA','5258','36'),('2016-01-03','NY','4735','63'),('2016-01-03','MN','5783','87'),('2016-01-04','TX','5783','47'),('2016-01-04','CA','7854','85'),('2016-01-04','NY','4754','36'),('2016-01-04','MN','9345','24'),('2016-01-05','TX','2535','63'),('2016-01-05','CA','4678','73'),('2016-01-05','NY','2364','33'),('2016-01-05','MN','3452','25');
```

/**

- * The database contains two tables, store_revenue and marketing_data. store_revenue contains
- * revenue by date, brand ID, and location. marketing_data contains ad impression and click data
- * by date and location.

*/

/**

- * Question #0 (Already done for you as an example)
- * Select the first 2 rows from the marketing data

*/

select * from marketing_data LIMIT 2;

/**

- * Question #1
- * Generate a query to get the sum of the clicks of the marketing data

*/

```
select sum(clicks) from marketing_data as total_clicks;
```

```
/**
```

```
* Question #2
```

```
* Generate a query to gather the sum of revenue by geo from the store_revenue table
```

```
*/
```

```
select * from store_revenue;
```

```
select sum(revenue), store_location as geo
```

```
from store_revenue
```

```
group by store_location;
```

```
/**
```

```
* Question #3
```

```
* Merge these two datasets so we can see impressions, clicks, and revenue together by date and geo.
```

```
*/
```

```
select b.date,a.geo, a.impressions, a.clicks, b.revenue
```

```
from marketing_data a
```

```
inner join store_revenue b
```

```
on a.id = b.id;
```

```
/**
```

```
 * End Assignment
```

```
*/
```

```
exit
```

```
quit
```