

Error Codes (Practice Exercise)

Exercise 1: --Goal: Here we use users table to pull a list of user email addresses. Edit the query to pull email addresses, but only for non-deleted users.

```
1. select email_address
2. from dsv1069.users
3. where deleted_at is not null
```

Exercise 2: --Goal: Use the items table to count the number of items for sale in each category.

```
1. select category, count(id)
2. from dsv1069.items
3. group by 1
```

Exercise 3: --Goal: Select all of the columns from the result when you JOIN the users table to the orders table.

```
1. select *
2. from dsv1069.users u
3. join dsv1069.orders o
4. on u.id = o.user_id
```

Exercise 4: --Goal: Check out the query below. This is not the right way to count the number of viewed_item events. Determine what is wrong and correct the error.

```
1. select count(event_id)
2. from dsv1069.events
3. where event_name = 'view_item'
```

Exercise 5: --Goal: Compute the number of items in the items table which have been ordered. The query below runs, but it isn't right. Determine what is wrong and correct the error or start from scratch.

```
1. select count(distinct invoice_id)
2. from dsv1069.orders
3. where item_id is not null
```

Exercise 6: --Goal: For each user figure out IF a user has ordered something, and when their first purchase was. The query below doesn't return info for any of the users who haven't ordered anything.

```
1. select user_id, min(paid_at) as min_paid_at
2. from dsv1069.users u
3. full join dsv1069.orders o
4. on u.id = o.user_id
5. where user_id is not null
6. group by 1
```

Exercise 7: --Goal: Figure out what percent of users have ever viewed the user profile page, but this query isn't right. Check to make sure the number of users adds up, and if not, fix the query.

```
1. select (select count(user_id)
2. from dsv1069.users u
3. full outer join dsv1069.events e
4. on u.id = e.user_id
```

```
5. where event_name = 'view_user_profile'
6. group by event_name
7. having min(event_time) is not null) as total_profile_view_count,
8. count(distinct id) as total_user_count, round(3088*100./117178, 2) as pct_viewed
9. from dsv1069.users
```