Promo Email

Log onto [Mode Analytics](#) and from the home page, create a new report by clicking on the green plus sign button in the upper right-hand corner. Enter the starter code where provided for each exercise. You may want to create a new tab for each exercise.

Please use the discussion forum for any questions and/or comments you might have. Once you have tried the exercises, feel free to watch the solutions video. Good luck with your practice!

Note: When querying a table, remember to prepend dsv1069, which is the schema, or folder that contains the course data.

Exercise 1:
Create the right subtable for recently viewed events using the view_item_events table.

Starter Code:

```
SELECT
  *
FROM
  dsv1069.view_item_events
```

Exercise 2: Check your joins. Join your tables together recent_views, users, items

Starter Code: The result from Ex1

```
SELECT *
FROM
  (
  SELECT
    user_id,
    item_id,
    event_time,
    ROW_NUMBER( ) OVER (PARTITION BY user_id ORDER BY event_time DESC)
      AS view_number
  FROM
    dsv1069.view_item_events
  ) recent_views
JOIN
  dsv1069.users
ON
  users.id = recent_views.user_id
JOIN
  dsv1069.items
ON
  items.id = recent_views.item_id
```

Exercise 3: Clean up your columns. The goal of all this is to return all of the information we'll need to send users an email about the item they viewed more recently. Clean up this query outline from the outline in EX2 and pull only the columns you need. Make sure they are named appropriately so that another human can read and understand their contents.

Starter Code: Code from Ex2

Exercise 4: Consider any edge cases. If we sent an email to everyone in the results of this query, what would we want to filter out. Add in any extra filtering that you think would make this email better. For example should we include deleted users? Should we send this email to users who already ordered the item they viewed most recently?