**Codecademy Learners Mockup Data**

**Project Goals**

users table: progress table:

* user\_id user\_id
* email\_domain learn\_cpp
* country learn\_sql
* postal learn\_html
* mobile\_app learn\_javascript
* sign\_up\_at learn\_java

1.First, use SELECT \* from both tables and use your knowledge of queries and aggregate functions to get to know the data:

* What are the Top 25 schools (**.edu** domains)?
* How many **.edu** learners are located in New York?
* The mobile\_app column contains either mobile-user or NULL. How many of these Codecademy learners are using the mobile app?

2.Using strftime (format, column) function query for the sign up counts for each hour.

3. Join the two tables using JOIN and then see what you can dig out of the data!

* Do different schools (**.edu** domains) prefer different courses?
* What courses are the New Yorkers students taking?
* What courses are the Chicago students taking?

**SOLUTION**

-- What are the Top 25 schools?

SELECT email\_domain,

  COUNT(\*)

FROM users

GROUP BY 1

ORDER BY 2 DESC

LIMIT 25;

-- How many .edu learners are located in New York?

SELECT city,

  COUNT(\*)

FROM users

WHERE city = "New York";

-- How many of these Codecademy learners are using the mobile app?

SELECT mobile\_app,

   COUNT(\*)

FROM users

GROUP BY 1;

-- Getting the percentages:

SELECT mobile\_app,

  100 \* COUNT(mobile\_app) / (SELECT COUNT(\*) FROM users) as '%'

FROM users

GROUP BY 1;

-- Using strftime ()

SELECT sign\_up\_at,

   strftime ('%S', sign\_up\_at)

FROM users

GROUP BY 1

LIMIT 20;

SELECT strftime ('%H', sign\_up\_at),

   COUNT (\*)

FROM users

GROUP BY 1

ORDER BY 1;

-- Joining:

SELECT users.user\_id,

   users.email\_domain,

   users.city,

   users.country,

   progress.learn\_cpp,

   progress.learn\_sql,

   progress.learn\_html,

   progress.learn\_javascript,

   progress.learn\_java

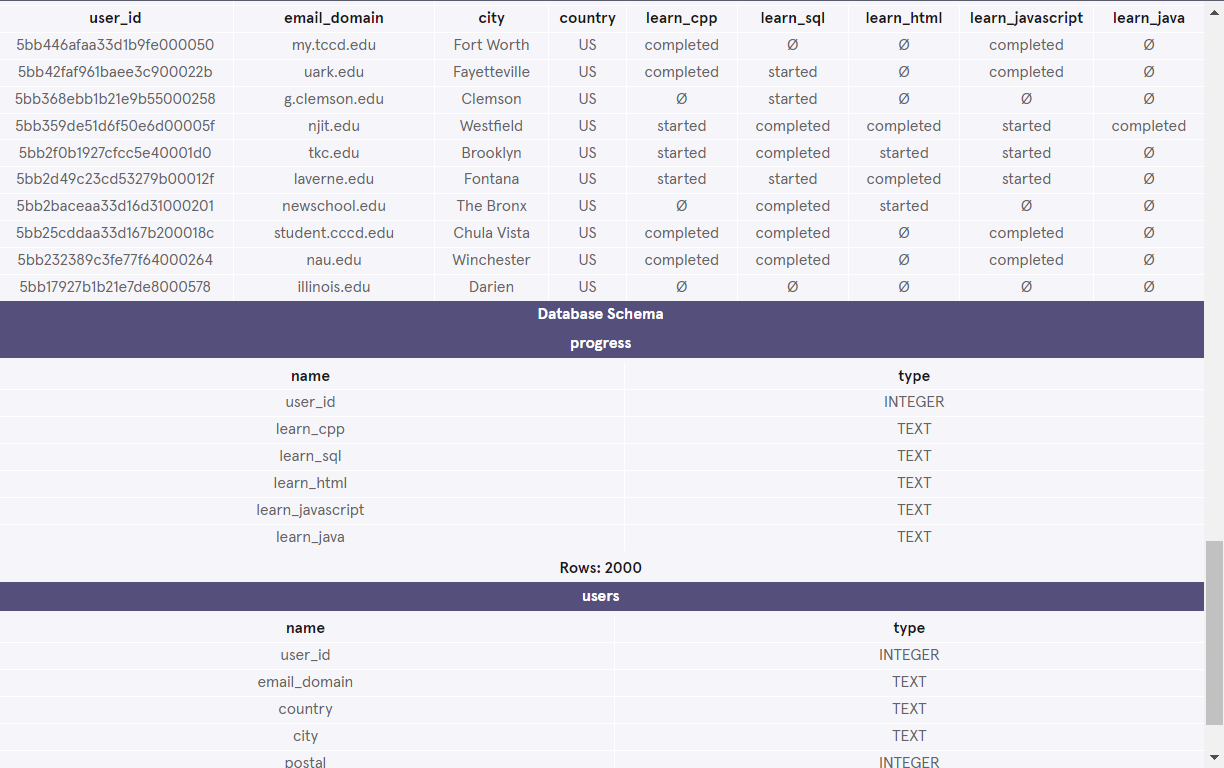
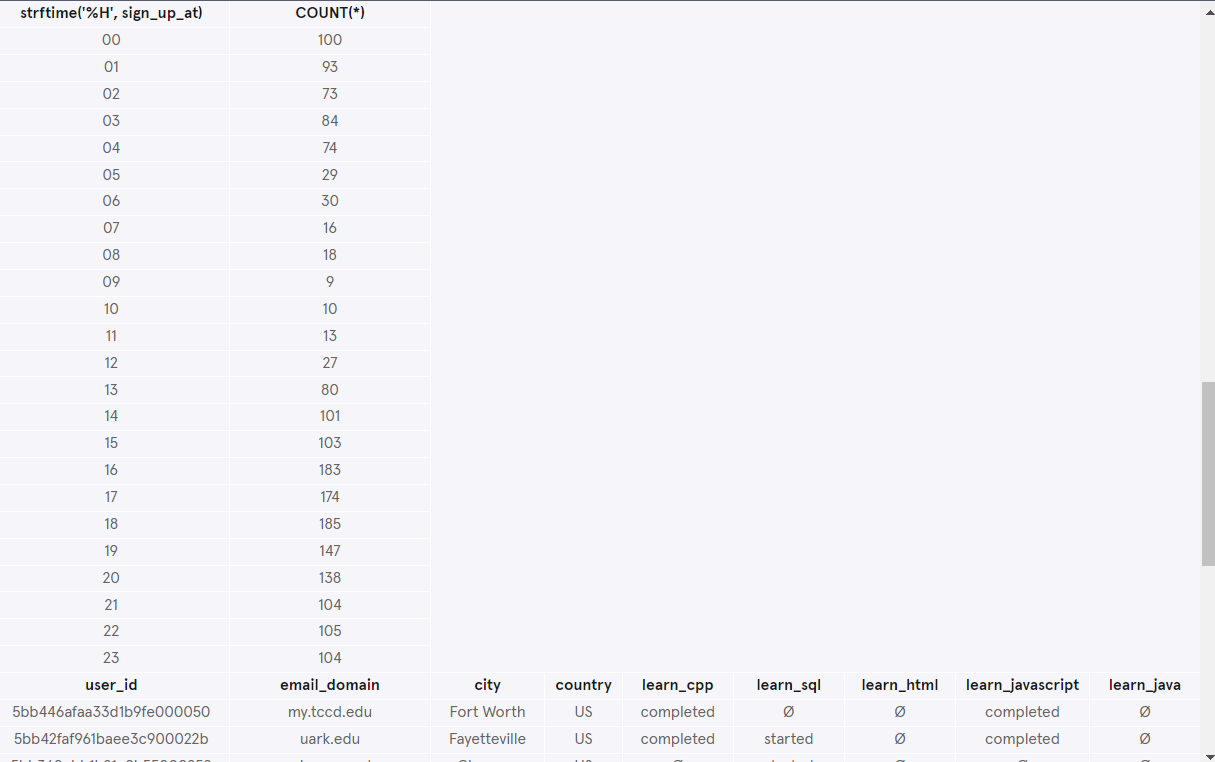
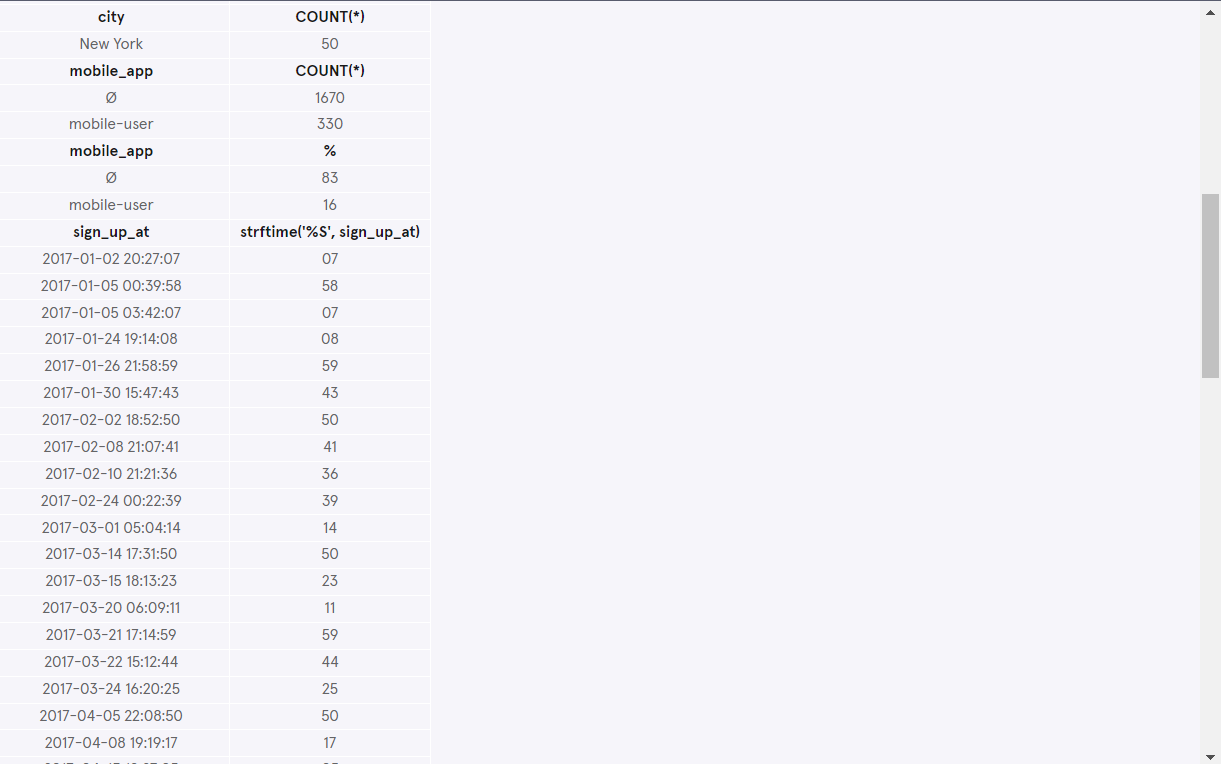
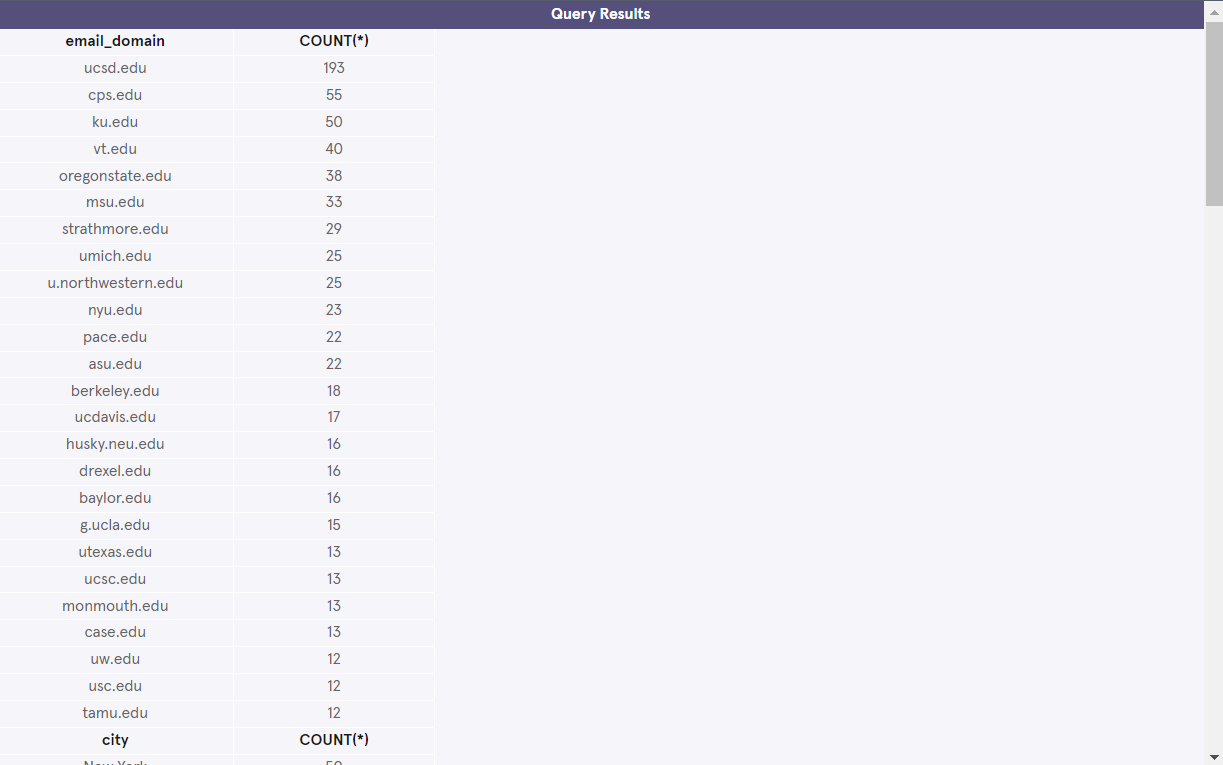
FROM users

JOIN progress

  ON users.user\_id = progress.user\_id

LIMIT 10;

**OUTPUT**

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