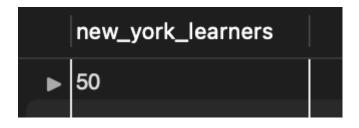
2a) What are the Top 25 schools (.edu domains)?

	row_num	email_domain	num_users	
•	1	ucsd.edu	193	
	2	cps.edu	55	
	3	ku.edu	50	
	4	vt.edu	40	
	5	oregonstate.edu	38	
	6	msu.edu	33	
	7	strathmore.edu	29	
	8	umich.edu	25	
	9	u.northwestern.edu	25	
	10	nyu.edu	23	
	11	asu.edu	22	
	12	pace.edu	22	
	13	berkeley.edu	18	
	14	ucdavis.edu	17	
	15	husky.neu.edu	16	
	16	baylor.edu	16	
	17	drexel.edu	16	
	18	g.ucla.edu	15	
	19	utexas.edu	13	
	20	ucsc.edu	13	
	21	case.edu	13	
	22	monmouth.edu	13	
	23	colorado.edu	12	
	24	usc.edu	12	
	25	uw.edu	12	

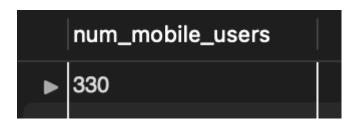
2b) How many .edu learners are located in New York?

SELECT COUNT(*) AS new_york_learners FROM users WHERE city='New York';



2c) The mobile_app column contains either mobile-user or NULL. How many of these Codecademy learners are using the mobile app?

SELECT COUNT(*) AS num_mobile_users FROM users WHERE mobile_app='mobile-user';



3) Now, using this function, query for the sign up counts for each hour.

SELECT DATE_FORMAT(sign_up_at, '%H') AS hour, COUNT(DATE_FORMAT(sign_up_at, '%H')) AS num_sign_ups FROM users GROUP BY hour ORDER BY hour ASC;

	hour	num_sign_ups	
•	00	100	
	01	93	
	02	73	
	03	84	
	04	74	
	05	29	
	06	30	
	07	16	
	08	18	
	09	9	
	10	10	
	11	13	
	12	27	
	13	80	
	14	101	
	15	103	
	16	183	
	17	174	
	18	185	
	19	147	
	20	138	
	21	104	
	22	105	
	23	104	

4a) Do different schools (.edu domains) prefer different courses?

```
CREATE VIEW cpp_learners AS SELECT email_domain, COUNT(learn_cpp) AS cpp FROM users
JOIN progress USING (user_id) WHERE learn_cpp IN ("started", "completed") GROUP BY
CREATE VIEW sql_learners AS SELECT email_domain, COUNT(learn_sql) AS `sql` FROM
users JOIN progress USING (user_id) WHERE learn_sql IN ("started", "completed")
GROUP BY email domain;
CREATE VIEW html_learners AS SELECT email_domain, COUNT(learn_html) AS html FROM
users JOIN progress USING (user_id) WHERE learn_html IN ("started", "completed")
GROUP BY email domain;
CREATE VIEW javascript_learners AS SELECT email_domain, COUNT(learn_javascript) AS
javascript FROM users JOIN progress USING (user_id) WHERE learn_javascript IN
("started", "completed") GROUP BY email_domain;
CREATE VIEW java_learners AS SELECT email_domain, COUNT(learn_java) AS java FROM
users JOIN progress USING (user_id) WHERE learn_java IN ("started", "completed")
GROUP BY email_domain;
SELECT DISTINCT email_domain, cpp_learners.cpp, sql_learners.`sql`,
html_learners.html, javascript_learners.javascript, java_learners.java,
      @var_most_popular_num:=GREATEST(COALESCE(cpp_learners.cpp, 0),
COALESCE(sql_learners.`sql`, 0), COALESCE(html_learners.html, 0),
COALESCE(javascript_learners.javascript, 0), COALESCE(java_learners.java,0)) AS
most_popular_num,
      CASE @var_most_popular_num
           WHEN cpp THEN 'cpp'
           WHEN `sql` THEN 'sql'
           WHEN html THEN 'html'
           WHEN javascript THEN 'javascript'
           WHEN java THEN 'java'
           END AS most_popular_course
      FROM users LEFT JOIN cpp_learners USING (email_domain)
      JOIN sql learners USING (email domain)
    JOIN html_learners USING (email_domain)
    JOIN javascript_learners USING (email_domain)
    JOIN java_learners USING (email_domain)
    ORDER BY email_domain ASC;
```

(results on next page)

	SQL Assessment - Ninimi (Jul 15, 2							
	email_domain	срр	sql	html	javascript	java	most_popular_n	most_popular_cour
▶	alaska.edu	2	2	2	1	1	2	срр
	aps.edu	3	3	2	2	1	3	срр
	asu.edu	7	6	7	7	6	7	срр
	auburn.edu	2	4	3	5	1	5	javascript
	baker.edu	1	1	1	1	1	1	срр
	baylor.edu	5	13	5	8	2	13	sql
	berkeley.edu	7	10	8	10	5	10	sql
	bethelu.edu	1	1	1	1	1	1	срр
	biola.edu	NULL	2	2	2	2	2	sql
	brandeis.edu	2	1	2	2	1	2	cpp
_	bsu.edu	4	3	3	4	2	4	срр
_	bu.edu	2	5	2	3	3	5	sql
_	buffalo.edu	1	5	1	2	1	5	· .
_		-		•		1		sql
ч.	byui.edu	3	2	2	3	•	3	срр
_	calpoly.edu	1	3	1	2	2	3	sql
Щ	colorado.edu	9	5	6	8	5	9	срр
	columbia.edu	5	3	3	5	2	5	срр
	cps.edu	23	28	16	25	13	28	sql
	creighton.edu	2	1	1	2	1	2	срр
	crimson.ua.edu	1	1	2	2	2	2	html
	csp.edu	1	1	1	1	1	1	срр
	depauw.edu	1	1	1	1	1	1	срр
	drexel.edu	6	8	4	6	3	8	sql
	email.arizona.edu	4	3	2	3	2	4	срр
	eng.ucsd.edu	4	3	3	4	2	4	срр
	essec.edu	3	3	3	2	1	3	срр
-	fiu.edu	4	5	5	3	3	5	sql
	fordham.edu	2	2	3	3	3	3	html
•	g.rit.edu	2	1	2	2	1	2	
	g.ucla.edu	6	6	7	7	2	7	cpp html
Ч-	-		3	-		1		
	georgetown.edu	4		4	5	-	5	javascript
ч.	hawaii.edu	1	1	1	1	1	1	cpp
_	hawk.iit.edu	2	3	2	5	1	5	javascript
Щ	hec.edu	1	2	1	2	1	2	sql
	husky.neu.edu	8	6	7	11	8	11	javascript
	iastate.edu	3	3	2	1	1	3	срр
	illinois.edu	5	4	4	8	2	8	javascript
	iu.edu	3	3	3	5	3	5	javascript
	iwcc.edu	NULL	1	1	1	1	1	sql
	kent.edu	3	5	1	3	1	5	sql
	knights.ucf.edu	2	3	2	3	2	3	sql
	ku.edu	22	25	12	25	8	25	sql
	loyola.edu	NULL	1	1	1	1	1	sql
	mail.citytech.cuny.edu	1	2	1	2	1	2	sql
4	mail.greenriver.edu	1	2	1	4	2	4	javascript
	mail.nmc.edu	2	1	2	1	1	2	срр
4	mail.uc.edu	1	3	4	2	1	4	html
	mail.usf.edu	3	5	6	4	1		html
						•	6	
	maine.edu	2	3	1	2	2	3	sql
	mca.edu	1	1	1	1	1	1	срр
	miamioh.edu	3	6	2	5	1	6	sql
	middlebury.edu	1	1	1	1	1	1	срр
	minerva.kgi.edu	1	1	1	1	1	1	срр
		4						

(...)

4b) What courses are the New Yorkers students taking?

```
SELECT SUM(CASE WHEN learn_cpp IN ("started", "completed") THEN 1 ELSE 0 END) AS cpp,

SUM(CASE WHEN learn_sql IN ("started", "completed") THEN 1 ELSE 0 END) AS 'sql',

SUM(CASE WHEN learn_html IN ("started", "completed") THEN 1 ELSE 0 END) AS html,

SUM(CASE WHEN learn_javascript IN ("started", "completed") THEN 1 ELSE 0 END) AS javascript,

SUM(CASE WHEN learn_java IN ("started", "completed") THEN 1 ELSE 0 END) AS java,

COUNT(*) AS total

FROM users JOIN progress USING(user_id) WHERE city="New York";
```

	срр	sql	html	javascript	java	total
•	16	25	14	29	8	50

4c) What courses are the Chicago students taking?

	срр	sql	html	javascript	java	total
•	37	42	29	46	16	92