Question 1 Code:

SELECT \*

FROM survey

LIMIT 10;

Question 2 Code:

SELECT question, COUNT(DISTINCT user\_id)

FROM survey

GROUP BY question;

Question 3:

Question 1: 500/500 = 100%

Question 2: 475/500 = 95%

Question 3: 380/475 = 80%

Question 4: 361/380 = 95%

Question 5: 270/361 = 74%

Question 4 Code:

SELECT \*

FROM quiz

LIMIT 5;

SELECT \*

FROM home\_try\_on

LIMIT 5;

SELECT \*

FROM purchase

LIMIT 5;

Question 5 code below

Question 5 Code:

SELECT DISTINCT quiz.user\_id,

home\_try\_on.user\_id IS NOT NULL AS 'is\_home\_try\_on',

home\_try\_on.number\_of\_pairs,

purchase.user\_id IS NOT NULL AS 'is\_purchase'

FROM quiz

LEFT JOIN home\_try\_on

ON quiz.user\_id = home\_try\_on.user\_id

LEFT JOIN purchase

ON purchase.user\_id = quiz.user\_id

LIMIT 10;

With 1 being true and 0 being false.

Code for question 6:

WITH funnels AS(

SELECT DISTINCT q.user\_id,

h.user\_id IS NOT NULL AS 'is\_home\_try\_on',

h.number\_of\_pairs,

p.user\_id IS NOT NULL AS 'is\_purchase'

FROM quiz q

LEFT JOIN home\_try\_on h

ON q.user\_id = h.user\_id

LEFT JOIN purchase p

ON p.user\_id = q.user\_id)

SELECT SUM(funnels.is\_purchase) AS 'num\_purchase'

FROM funnels;