This code outputs 10 rows from the table "survey"

FROM	survey
LIMIT	10;

SELECT *

Query Results				
question	user_id	response		
1. What are you looking for?	005e7f99-d48c-4fce-b605-10506c85aaf7	Women's Styles		
2. What's your fit?	005e7f99-d48c-4fce-b605-10506c85aaf7	Medium		
3. Which shapes do you like?	00a556ed-f13e-4c67-8704-27e3573684cd	Round		
4. Which colors do you like?	00a556ed-f13e-4c67-8704-27e3573684cd	Two-Tone		
1. What are you looking for?	00a556ed-f13e-4c67-8704-27e3573684cd	I'm not sure. Let's skip it.		
2. What's your fit?	00a556ed-f13e-4c67-8704-27e3573684cd	Narrow		
5. When was your last eye exam?	00a556ed-f13e-4c67-8704-27e3573684cd	<1 Year		
3. Which shapes do you like?	00bf9d63-0999-43a3-9e5b-9c372e6890d2	Square		
5. When was your last eye exam?	00bf9d63-0999-43a3-9e5b-9c372e6890d2	<1 Year		
2. What's your fit?	00bf9d63-0999-43a3-9e5b-9c372e6890d2	Medium		

 This code selects the "question" column and counts unique user IDs from the table "survey"

The output is grouped by the "question" column

FROM sur	vey	
GROUP BY	question;	

SELECT question, COUNT(DISTINCT user_id)

Query Results			
question	COUNT(DISTINCT user_id)		
1. What are you looking for?	500		
2. What's your fit?	475		
3. Which shapes do you like?	380		
4. Which colors do you like?	361		
5. When was your last eye exam?	270		

- The first code does the same as the previous slide
- The second code only selects unique user IDs
- Percent Completing this Question was calculated by dividing the query results from first table by the query results in second table

Question Number	Percent Completing this Question		
1	100%		
2	95%		
3	76%		
4	72%		
5	54%		

SELECT question, COUNT(DISTINCT user_id)
FROM survey
GROUP BY question;

SELECT COUNT(DISTINCT user_id)
FROM survey;

This code selects 5 rows from 3 separate tables

Query Results							
user_id		style	fit	shape	shape co		
4e8118dc-bb3d-49bf-85fc-cca8d83232ac	Won	nen's Styles	Medium	Rectangular	Tortoise		
291f1cca-e507-48be-b063-002b14906468	Won	nen's Styles	Narrow	Round	Black		
75122300-0736-4087-b6d8-c0c5373a1a04	Won	nen's Styles	Wide Rectangular		Two-Tone		
75bc6ebd-40cd-4e1d-a301-27ddd93b12e2	Won	nen's Styles	Narrow	Narrow Square		Two-Tone	
ce965c4d-7a2b-4db6-9847-601747fa7812	Won	nen's Styles	Wide	Rectangular	Rectangular Blac		
user_id		number_of_pairs		address			
d8addd87-3217-4429-9a01-d56d6811	d8addd87-3217-4429-9a01-d56d68111da7		5 pairs		145 New York 9a		
f52b07c8-abe4-4f4a-9d39-ba9fc9a184cc		5 pairs		383 Madi	383 Madison Ave		
8ba0d2d5-1a31-403e-9fa5-79540f84	8ba0d2d5-1a31-403e-9fa5-79540f8477f9		5 pairs		287 Pell St		
4e71850e-8bbf-4e6b-accc-49a7bb46c586		3 pairs		347 Madiso	347 Madison Square N		
3bc8f97f-2336-4dab-bd86-e391609d	ab97	5 pairs		182 Cornelia St			
user_id	product_id	style	model_name	color		price	
00a9dd17-36c8-430c-9d76-df49d4197dcf	8	Women's Styles	Lucy	Jet Blad	:k	150	
00e15fe0-c86f-4818-9c63-3422211baa97	7	Women's Styles	Lucy	Elderflower	Crystal	150	
017506f7-aba1-4b9d-8b7b-f4426e71b8ca	4	Men's Styles	Dawes	Jet Blac	k	150	
0176bfb3-9c51-4b1c-b593-87edab3c54cb	10	Women's Styles	Eugene Narrov	v Rosewood T	ortoise	95	
01fdf106-f73c-4d3f-a036-2f3e2ab1ce06	8	Women's Styles	Lucy	Jet Blac	:k	150	

```
SELECT *
FROM quiz
LIMIT 5;

SELECT *
FROM home_try_on
LIMIT 5;

SELECT *
FROM purchase
LIMIT 5;
```

- This code matches the user_id row in the quiz table with the user_id row in the home_try_on table
- Furthermroe, it matches the user_id rows in the purchase and quiz tables

Query Results					
user_id	is_home_try_on	number_of_pairs	is_purchase		
4e8118dc-bb3d-49bf-85fc-cca8d83232ac	1	3 pairs	0		
291f1cca-e507-48be-b063-002b14906468	1	3 pairs	1		
75122300-0736-4087-b6d8-c0c5373a1a04	0	Ø	0		
75bc6ebd-40cd-4e1d-a301-27ddd93b12e2	1	5 pairs	0		
ce965c4d-7a2b-4db6-9847-601747fa7812	1	3 pairs	1		
28867d12-27a6-4e6a-a5fb-8bb5440117ae	1	5 pairs	1		
5a7a7e13-fbcf-46e4-9093-79799649d6c5	0	Ø	0		
0143cb8b-bb81-4916-9750-ce956c9f9bd9	0	Ø	0		
a4ccc1b3-cbb6-449c-b7a5-03af42c97433	1	5 pairs	0		
b1dded76-cd60-4222-82cb-f6d464104298	1	3 pairs	0		

- This code sums the total users that browsed the website, the total users that tried the glasses on, and the total users that made a purchase
- The code then calculates ratios of total glasses tried on to the total number of users and total purchases to total glasses tried on

Query Results					
total_browse	total_try_on	purchase	total_try_on:total_user	total_purchase:total_try_on	
1000	750	495	0.75	0.66	

```
WITH funnel AS(
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
                   quiz.user id =
          ON
home try on.user id
LEFT JOIN purchase
          ON purchase.user id = quiz.user id
SELECT COUNT(*) AS 'total browse',
SUM(is home try on) AS 'total try on',
SUM(is purchase) AS 'purchase', 1.0 *
SUM(is home try on) / COUNT(user id) AS
'total try on:total user', 1.0 * SUM(is purchase) /
SUM(is home try on) AS 'total purchase:total try on'
FROM funnel;
```