



Funnels with Warby Parker Learn SQL from Scratch

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Table contents (Survey)

Part 1

- Question
- User_id
- Response

Query used:

```
SELECT *  
FROM survey  
LIMIT 10;
```

I used limit 10 so that I did not burden and slow down the loading of the table.

Table contents (quiz)

Part 1

- user_id
- style
- Fit
- Shape
- Color

Query used:

```
SELECT *  
FROM Quiz  
LIMIT 10;
```

I used limit 10 so that I did not burden and slow down the loading of the table.

Table contents (home_try_on)

Part 1

- user_id
- number_of_pairs
- address

Query used:

```
SELECT *  
FROM home_try_on  
LIMIT 10;
```

I used limit 10 so that I did not burden and slow down the loading of the table.

Table contents (purchase)

Part 1

- user_id
- product_id
- style
- model_name
- color
- price

Query used:

```
SELECT *  
FROM purchase  
LIMIT 10;
```

I used limit 10 so that I did not burden and slow down the loading of the table.

Part 2

Query used:
SELECT question,
COUNT(DISTINCT user_id)
FROM survey
GROUP BY 1;

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

Part 3

question	COUNT(DISTINCT user_id)	Percentage of completion
1. What are you looking for?	500	100%
2. What's your fit?	475	95%
3. Which shapes do you like?	380	80%
4. Which colors do you like?	361	95%
5. When was your last eye exam?	270	74.79%

Part 4 (query)

- SELECT *
 - FROM quiz
 - LIMIT 5;
-
- SELECT *
 - FROM home_try_on
 - LIMIT 5;
-
- SELECT *
 - FROM purchase
 - LIMIT 5;

Part 4 (Quiz)

user_id	style	fit	shape	color
4e8118dc-bb3d-49bf-85fc-cca8d83232ac	Women's Styles	Medium	Rectangular	Tortoise
291f1cca-e507-48be-b063-002b14906468	Women's Styles	Narrow	Round	Black
75122300-0736-4087-b6d8-c0c5373a1a04	Women's Styles	Wide	Rectangular	Two-Tone
75bc6ebd-40cd-4e1d-a301-27ddd93b12e2	Women's Styles	Narrow	Square	Two-Tone
ce965c4d-7a2b-4db6-9847-601747fa7812	Women's Styles	Wide	Rectangular	Black

Part 4 (home_try_on)

user_id	number_of_pairs	address
d8add87-3217-4429-9a01-d56d68111da7	5 pairs	145 New York 9a
f52b07c8-abe4-4f4a-9d39-ba9fc9a184cc	5 pairs	383 Madison Ave
8ba0d2d5-1a31-403e-9fa5-79540f8477f9	5 pairs	287 Pell St
4e71850e-8bbf-4e6b-accc-49a7bb46c586	3 pairs	347 Madison Square N
3bc8f97f-2336-4dab-bd86-e391609dab97	5 pairs	182 Cornelia St

Part 4 (purchase)

user_id	product_id	style	model_name	color	price
00a9dd17-36c8-430c-9d76-df49d4197dcf	8	Women's Styles	Lucy	Jet Black	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 Black	150
0176bfb3-9c51-4b1c-b593-87edab3c54cb	10	Women's Styles	Eugene Narrow	Rosewood Tortoise	95
01fdf106-f73c-4d3f-a036-2f3e2ab1ce06	8	Women's Styles	Lucy	Jet Black	150

Part 5 (query)

- 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
- LIMIT 20;

Part 5 (Result)

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		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		0
0143cb8b-bb81-4916-9750-ce956c9f9bd9	0		0
a4ccc1b3-cbb6-449c-b7a5-03af42c97433	1	5 pairs	0
b1dded76-cd60-4222-82cb-f6d464104298	1	3 pairs	0

Part 6

They are many things you can action and find out about the customers and what they are looking for by looking at the survey and questions asked. Things you can find out are:

- What colours they like
- How often do they take eye tests/exams
- The shape and fit that is most common

After looking at this you can combine survey with other tables by using different types of joins. You can find more information on how the questions, were actioned by the customer.

Part 7

Thank you for taking the time to look at my presentation and I hope you have a great time looking at the work.

And thank you code academy for the opportunity to help me learn new skills that I can use at the workplace and my personal life.