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MY SQL PROJECT

Learn SQL from Scratch

Ashik Khan

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1. Survey Table Data

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Survey is normally taken to check what is the trend in the market, what people like and how the sales and services of the company can be improved to maintain the quality.

Below table shows the sample data contains.

Question	User_Id	Response
What are you looking for?	005e7f99-d48c-4fce-b605-10506c85aaf7	Women's Styles
What's your fit?	005e7f99-d48c-4fce-b605-10506c85aaf7	Medium
Which shapes do you like?	00a556ed-f13e-4c67-8704-27e3573684cd	Round
Which colors do you like?	00a556ed-f13e-4c67-8704-27e3573684cd	Two-Tone
When was your last eye exam?	00a556ed-f13e-4c67-8704-27e3573684cd	<1 Year

1. Select all columns from the first 10 rows. What columns does the table have?

```
SELECT *
FROM SURVEY
LIMIT 10;
```

2. Responses on Survey

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Below data shows the count of questions responded by users:

Question	COUNT
What are you looking for?	500
What's your fit?	475
Which shapes do you like?	380
Which colors do you like?	361
When was your last eye exam?	270

2. What is the number of responses for each question?

```
SELECT question, COUNT(DISTINCT user_id) AS COUNT
FROM survey
GROUP BY 1;
```

3. Variances on Survey questions

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Out of total users (1986) and 5 questions only few questions were answered, the response varies between the questions as the users normally do not answer to all the questions in survey.

3. Which question(s) of the quiz have a lower completion rates?

`Question number 5 has lower completion rate, normally eye exam is done when needed then only.`

Question	COUNT
What are you looking for?	25.18
What's your fit?	23.92
Which shapes do you like?	19.13
Which colors do you like?	18.18
When was your last eye exam?	13.60

4. Summary Data

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Out of 3 table and different data, a new table created with the help of “Left Join” we got a summary of the existing data.

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

4. A new table and its data with the help of the following 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 10;
```