CPS521 Lab1:

**Group Members:**

|  |  |
| --- | --- |
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**/\*Question 1 List of channels and their IDs for nonbusiness channels\*/**

SELECT ch\_name, ch\_id FROM channel WHERE ch\_category != 'Business';

Shape, rectangle

Description automatically generated

**/\*Question 2 List of personal channels and their creators\*/**

SELECT yt\_user.user\_name, channel.ch\_name FROM yt\_user, channel WHERE yt\_user.user\_id = channel.user\_id AND channel.ch\_category = 'Personal';

Background pattern

Description automatically generated with low confidence

**/\*Question 3 Personal channels belonging to Alice\*/**

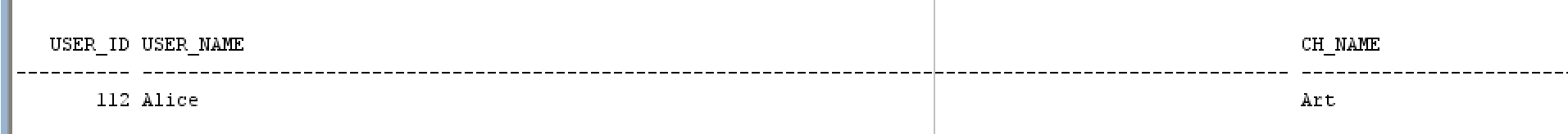
SELECT yt\_user.user\_id, user\_name, ch\_name

FROM yt\_user, channel

WHERE user\_name = 'Alice'

AND ch\_category = 'Personal'

AND yt\_user.user\_id = channel.user\_id;



**/\*Question 4 List of channels and number of their subscriptions (does not include channels with zero subscription)\*/**

SELECT channel.ch\_name, COUNT(subscription\_id) AS NUMBER\_OF\_SUBSCRIPTION

FROM channel

LEFT JOIN subscription

ON subscription.ch\_id = channel.ch\_id

GROUP BY channel.ch\_id, channel.ch\_name

HAVING COUNT(subscription\_id) <> 0

ORDER BY channel.ch\_name

;

Shape

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**/\* Quesiton 5 List of channels and number of their subscriptions (include channels with zero**

**subscription)\*/**

SELECT channel.ch\_name, COUNT(subscription\_id) AS NUMBER\_OF\_SUBSCRIPTION

FROM channel

LEFT JOIN subscription

ON subscription.ch\_id = channel.ch\_id

GROUP BY channel.ch\_id, channel.ch\_name

ORDER BY channel.ch\_name

;

Text

Description automatically generated with low confidence

**/\* Question 6 List of channels, their creator, and number of their subscriptions\*/**

SELECT channel.ch\_name, yt\_user.user\_name, COUNT(subscription\_id) AS NUMBER\_OF\_SUBSCRIPTION

FROM channel

LEFT JOIN subscription

ON subscription.ch\_id = channel.ch\_id

LEFT JOIN yt\_user

ON yt\_user.user\_id = channel.user\_id

GROUP BY channel.ch\_id, channel.ch\_name, yt\_user.user\_name

ORDER BY ch\_name;

Table

Description automatically generated

**/\*Question 7 The total number of subscriptions\*/**

SELECT COUNT(subscription\_id) FROM subscription;

Shape

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