Patrick Santoso Lay 501011389

**CPS521 Lab 1**

1. List of channels and their IDs for nonbusiness channels

SELECT C.CH\_NAME, C.CH\_ID

FROM CHANNEL C

WHERE NOT C.CH\_CATEGORY = 'Business';

1. List of personal channels and their creators

SELECT Y.USER\_NAME, C.CH\_NAME

FROM CHANNEL C, YT\_USER Y

WHERE C.USER\_ID = Y.USER\_ID

AND CH\_CATEGORY = 'Personal'

ORDER BY C.CH\_NAME;

1. Personal channel belonging to Alice

SELECT Y.USER\_ID, Y.USER\_NAME, C.CH\_NAME

FROM CHANNEL C, YT\_USER Y

WHERE C.USER\_ID = Y.USER\_ID

AND CH\_CATEGORY = 'Personal'

AND Y.USER\_NAME = 'Alice';

1. List of channels and number of their subscriptions (does not include channels with zero subscription)

SELECT C.CH\_NAME, COUNT(S.USER\_ID) AS NUMBER\_OF\_SUBSCRIPTION

FROM CHANNEL C, SUBSCRIPTION S

WHERE S.CH\_ID = C.CH\_ID

HAVING

COUNT(S.USER\_ID) > 0

GROUP BY

C.CH\_NAME

ORDER BY

C.CH\_NAME;

1. List of channels and number of their subscriptions (include channels with zero subscription)

SELECT C.CH\_NAME, COUNT(S.USER\_ID) AS NUMBER\_OF\_SUBSCRIPTION

FROM SUBSCRIPTION S

RIGHT JOIN CHANNEL C ON S.CH\_ID = C.CH\_ID

GROUP BY

C.CH\_NAME

ORDER BY

C.CH\_NAME;

1. List of channels, their creator and number of their subscriptions

SELECT C.CH\_NAME, Y.USER\_NAME, COUNT(S.USER\_ID) AS NUMBER\_OF\_SUBSCRIPTION

FROM SUBSCRIPTION S

RIGHT JOIN CHANNEL C ON S.CH\_ID = C.CH\_ID

JOIN YT\_USER Y ON Y.USER\_ID = C.USER\_ID

GROUP BY

C.CH\_NAME, Y.USER\_NAME

ORDER BY

C.CH\_NAME;

1. The total number of subscriptions

SELECT COUNT(SUBSCRIPTION\_ID) AS TOTAL\_NUMBER\_OF\_SUBSCRIPTIONS

FROM SUBSCRIPTION;