

CPS 521 Lab 1

Faheem Iqbal

501202659

1)

The screenshot shows the Oracle SQL Developer interface. The Connections pane on the left shows the 'ryerson' database with a tree view of its schema objects. The main workspace is divided into a 'Worksheet' and a 'Query Builder'. The 'Worksheet' tab is active, displaying the following SQL query:

```
SELECT ch_name, ch_id
FROM channel
where ch_category != 'Business';
```

The 'Query Result' pane at the bottom shows the results of the query, with 7 rows fetched in 0.106 seconds. The results are as follows:

CH_NAME	CH_ID
1 Orange	201
2 Class	205
3 Kids	207
4 Dress	208
5 Books	209
6 Electronics	210
7 Art	223

2)

The screenshot shows the Oracle SQL Developer interface. The Connections pane on the left shows the 'ryerson' database with a tree view of its schema objects. The main workspace is divided into a 'Worksheet' and a 'Query Builder'. The 'Worksheet' tab is active, displaying the following SQL query:

```
/* List of personal channels and their creators */
SELECT
  channel.ch_name AS ch_name,
  yt_user.user_name AS user_name
FROM
  channel
JOIN
  yt_user
ON
  channel.user_id = yt_user.user_id
WHERE
  channel.ch_category = 'Personal';
```

The 'Query Result' pane at the bottom shows the results of the query, with 7 rows fetched in 0.024 seconds. The results are as follows:

USER_NAME	CH_NAME
1 Ali	Orange
2 Bayan	Class
3 Moe	Kids
4 Moe	Dress
5 Amal	Books
6 Lana	Electronics
7 Alice	Art

3)

The screenshot shows the Oracle SQL Developer interface. The Connections pane on the left shows the 'ryerson' database connection. The Worksheet pane contains the following SQL query:

```

/* List of personal channels and their creators */
SELECT
  channel.ch_name AS ch_name,
  yt_user.user_name AS user_name,
  yt_user.user_id AS user_id
FROM
  channel
JOIN
  yt_user
ON
  channel.user_id = yt_user.user_id
WHERE
  channel.ch_category = 'Personal' and
  yt_user.user_name = 'Alice';

```

The Query Result pane shows the following data:

USER_ID	USER_NAME	CH_NAME
1	112 Alice	Art

4)

The screenshot shows the Oracle SQL Developer interface. The Connections pane on the left shows the 'ryerson' database connection. The Worksheet pane contains the following SQL query:

```

SELECT
  channel.ch_name AS channel_name,
  COUNT(subscription.subscription_id) AS subscription_count
FROM
  channel
LEFT JOIN
  subscription
ON
  channel.ch_id = subscription.ch_id
GROUP BY
  channel.ch_name;

```

The Query Result pane shows the following data:

CHANNEL_NAME	SUBSCRIPTION_COUNT
3 Cars	1
4 Technology	5
5 Art	0
6 Sport	1
7 Orange	3
8 Apple	5
9 Life	1
10 Electronics	1
11 Fashion	1
12 Games	1
13 Kids	1
14 Computer	3
15 Dress	1

5)

The screenshot shows the Oracle SQL Developer interface. The 'Connections' pane on the left lists 'ryerson' as the selected connection. The 'Worksheet' pane contains the following SQL query:

```
SELECT
  channel.ch_name AS channel_name,
  COUNT(subscription.subscription_id) AS subscription_count
FROM
  channel
LEFT JOIN
  subscription
ON
  channel.ch_id = subscription.ch_id
GROUP BY
  channel.ch_name;
```

The 'Query Result' pane displays the results of the query, showing 15 rows. The status bar indicates 'All Rows Fetched: 15 in 0.044 seconds'.

CHANNEL_NAME	SUBSCRIPTION_COUNT
3 Cars	1
4 Technology	5
5 Art	0
6 Sport	1
7 Orange	3
8 Apple	5
9 Life	1
10 Electronics	1
11 Fashion	1
12 Games	1
13 Kids	1
14 Computer	3
15 Dress	1

6)

The screenshot shows the Oracle SQL Developer interface. The 'Connections' pane on the left lists 'ryerson' as the selected connection. The 'Worksheet' pane contains the following SQL query:

```
SELECT
  channel.ch_name AS channel_name,
  yt_user.user_name AS creator_name,
  COUNT(subscription.subscription_id) AS subscription_count
FROM
  channel
JOIN
  yt_user
ON
  channel.user_id = yt_user.user_id
LEFT JOIN
  subscription
ON
  channel.ch_id = subscription.ch_id
GROUP BY
  channel.ch_name, yt_user.user_name;
```

The 'Query Result' pane displays the results of the query, showing 15 rows. The status bar indicates 'All Rows Fetched: 15 in 0.03 seconds'.

CHANNEL_NAME	CREATOR_NAME	SUBSCRIPTION_COUNT
3 Cars	Tab	1
4 Kids	Moe	1
5 Electronics	Lana	1
6 Games	Moe	1
7 Dress	Moe	1
8 Technology	Alice	5
9 Art	Alice	0
10 Computer	Ali	3
11 Life	Banan	1
12 Class	Bayan	4
13 Fashion	Alice	1
14 Apple	Ali	5
15 Sport	Banan	1

7)

The screenshot displays the Oracle SQL Developer interface. The 'Connections' pane on the left shows a tree view of the database schema, including tables like CHANNEL, SUBSCRIPTION, and YT_USER. The main workspace is divided into a 'Worksheet' and a 'Query Builder'. The 'Worksheet' contains the following SQL query:

```
SELECT  
COUNT(subscription_id) AS total_subscriptions  
FROM  
subscription;
```

The 'Query Result' pane at the bottom shows the execution output. It indicates that all rows were fetched in 0.084 seconds. The result is a single row with the column 'TOTAL_SUBSCRIPTIONS' and the value 31.

TOTAL_SUBSCRIPTIONS
31