



**UTM**  
UNIVERSITI TEKNOLOGI MALAYSIA

**FACULTY OF COMPUTING**  
UTM Johor Bahru

**SECD2523**

**SECTION**

**10**

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**PROJECT TITLE:**

**SQL LAB3**

**(DML2)**

**PART1**

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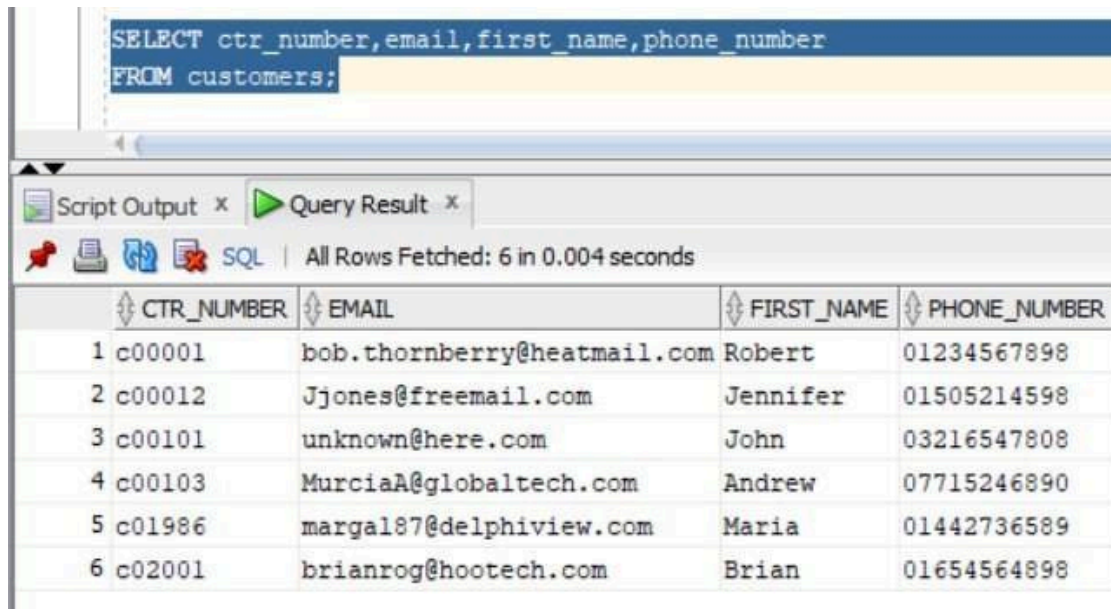
Part 1: Retrieving all columns from a table.

Using the SELECT \* statement show all data stored in the following tables:

1. customers.

CODE:

```
SELECT *  
FROM customers;
```



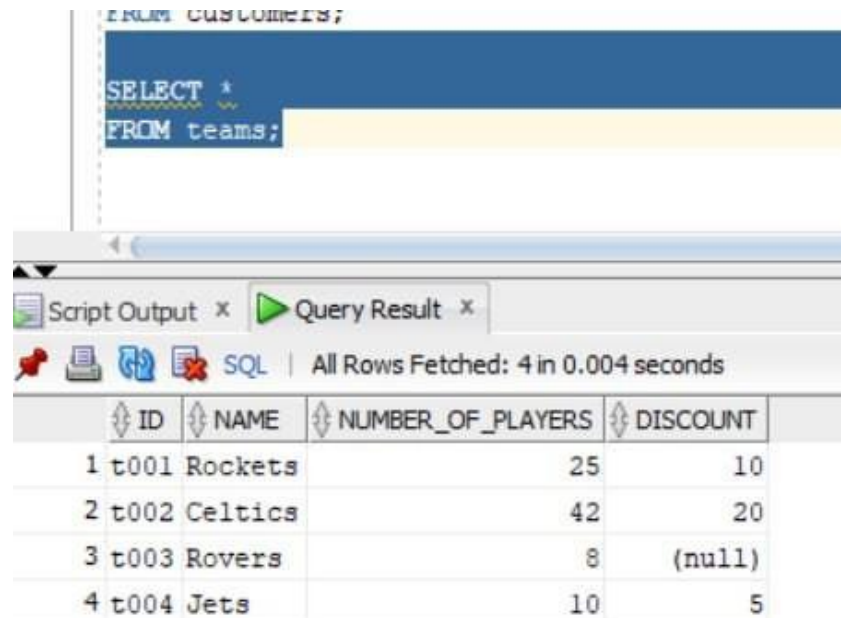
The screenshot shows a SQL query execution window. The query entered is `SELECT ctr_number, email, first_name, phone_number FROM customers;`. The results are displayed in a table with 6 rows and 4 columns: CTR\_NUMBER, EMAIL, FIRST\_NAME, and PHONE\_NUMBER.

	CTR_NUMBER	EMAIL	FIRST_NAME	PHONE_NUMBER
1	c00001	bob.thornberry@heatmail.com	Robert	01234567898
2	c00012	Jjones@freemail.com	Jennifer	01505214598
3	c00101	unknown@here.com	John	03216547808
4	c00103	MurciaA@globaltech.com	Andrew	07715246890
5	c01986	margal87@delphiview.com	Maria	01442736589
6	c02001	brianrog@hootech.com	Brian	01654564898

2. teams.

CODE:

```
SELECT *  
FROM teams;
```



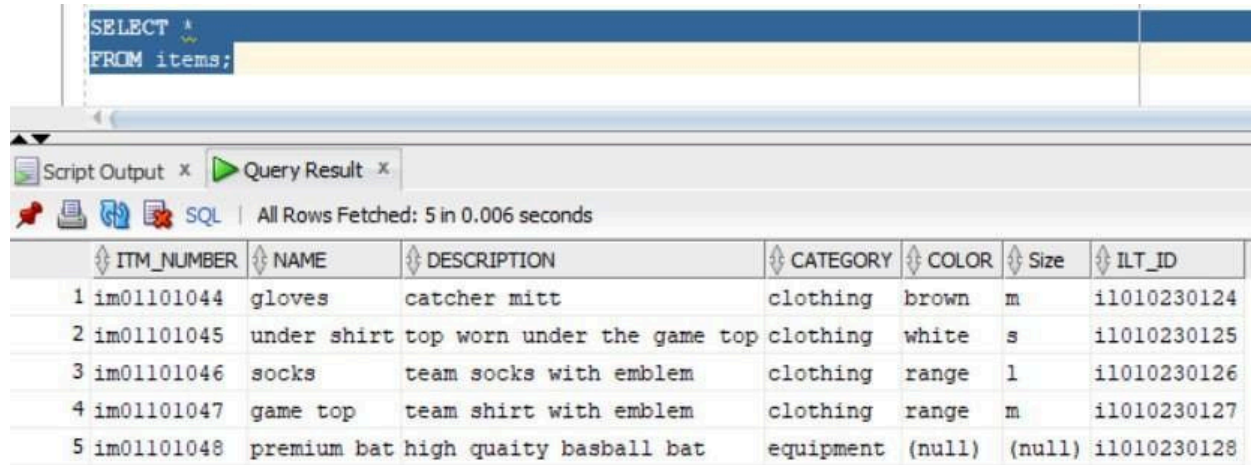
The screenshot shows a SQL query execution window. The query entered is `SELECT * FROM teams;`. The results are displayed in a table with 4 rows and 4 columns: ID, NAME, NUMBER\_OF\_PLAYERS, and DISCOUNT.

	ID	NAME	NUMBER_OF_PLAYERS	DISCOUNT
1	t001	Rockets	25	10
2	t002	Celtics	42	20
3	t003	Rovers	8	(null)
4	t004	Jets	10	5

3. items

CODE:

```
SELECT *  
FROM items;
```



The screenshot shows a SQL Developer window with a query editor at the top containing the text 'SELECT \* FROM items;'. Below the editor, the 'Query Result' tab is active, displaying a table with 7 columns: ITM\_NUMBER, NAME, DESCRIPTION, CATEGORY, COLOR, Size, and ILT\_ID. The table contains 5 rows of data. The status bar indicates 'All Rows Fetched: 5 in 0.006 seconds'.

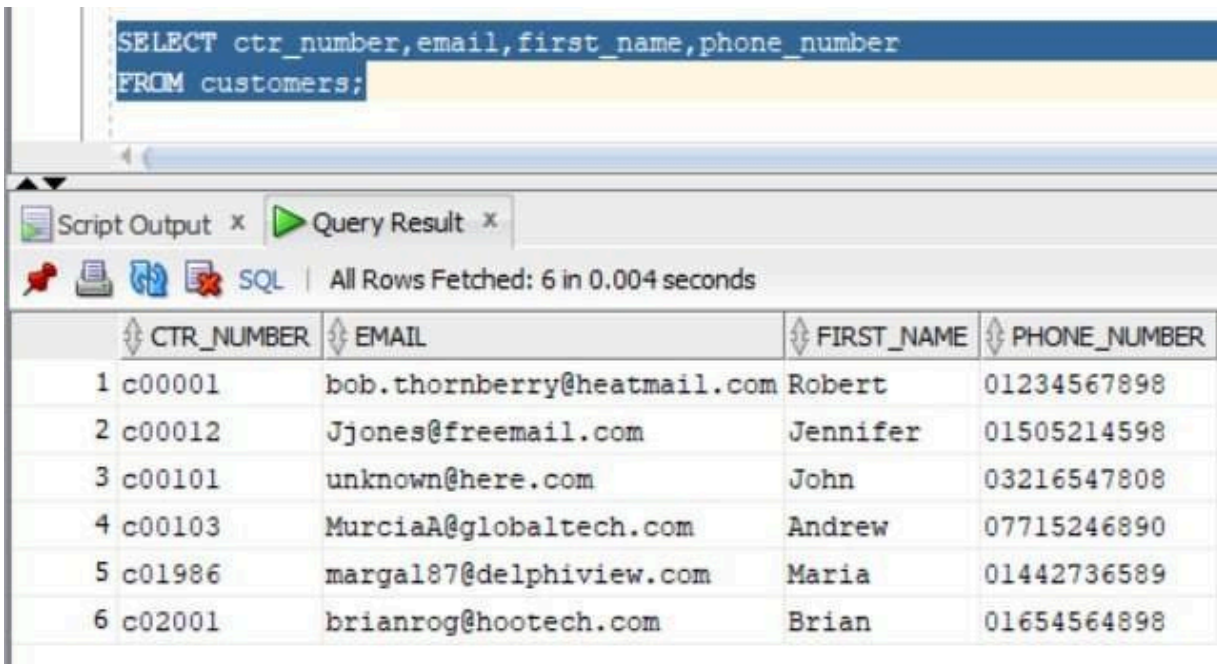
	ITM_NUMBER	NAME	DESCRIPTION	CATEGORY	COLOR	Size	ILT_ID
1	im01101044	gloves	catcher mitt	clothing	brown	m	i1010230124
2	im01101045	under shirt	top worn under the game top	clothing	white	s	i1010230125
3	im01101046	socks	team socks with emblem	clothing	range	l	i1010230126
4	im01101047	game top	team shirt with emblem	clothing	range	m	i1010230127
5	im01101048	premium bat	high quaity baseball bat	equipment	(null)	(null)	i1010230128

Part 2: Selecting Specific Columns

1. Display the customer number, first name, last name, email and phone number of the customers.

CODE:

```
SELECT ctr_number,email,first_name,phone_number  
FROM customers;
```



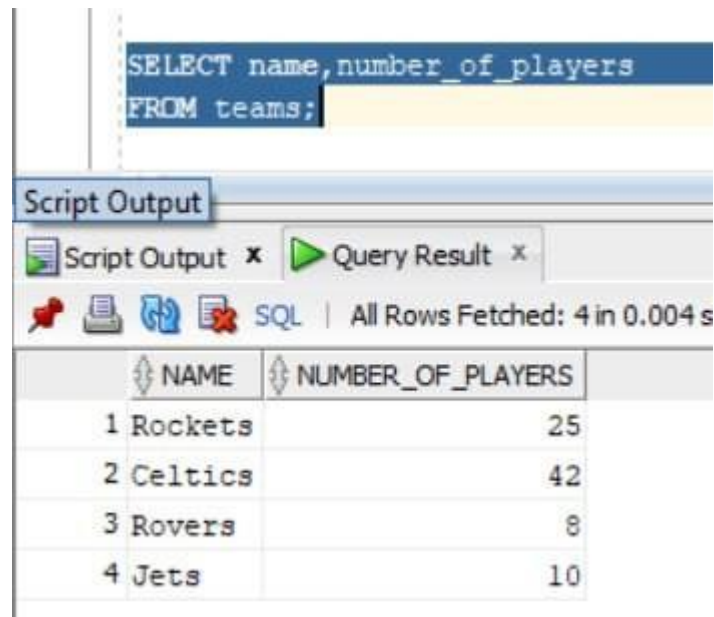
The screenshot shows a SQL Developer window with a query editor at the top containing the text 'SELECT ctr\_number,email,first\_name,phone\_number FROM customers;'. Below the editor, the 'Query Result' tab is active, displaying a table with 4 columns: CTR\_NUMBER, EMAIL, FIRST\_NAME, and PHONE\_NUMBER. The table contains 6 rows of data. The status bar indicates 'All Rows Fetched: 6 in 0.004 seconds'.

	CTR_NUMBER	EMAIL	FIRST_NAME	PHONE_NUMBER
1	c00001	bob.thornberry@heatmail.com	Robert	01234567898
2	c00012	Jjones@freemail.com	Jennifer	01505214598
3	c00101	unknown@here.com	John	03216547808
4	c00103	MurciaA@globaltech.com	Andrew	07715246890
5	c01986	margal87@delphiview.com	Maria	01442736589
6	c02001	brianrog@hootech.com	Brian	01654564898

2. Display the name and number of players for each team.

CODE:

```
SELECT name,number_of_players  
FROM teams;
```



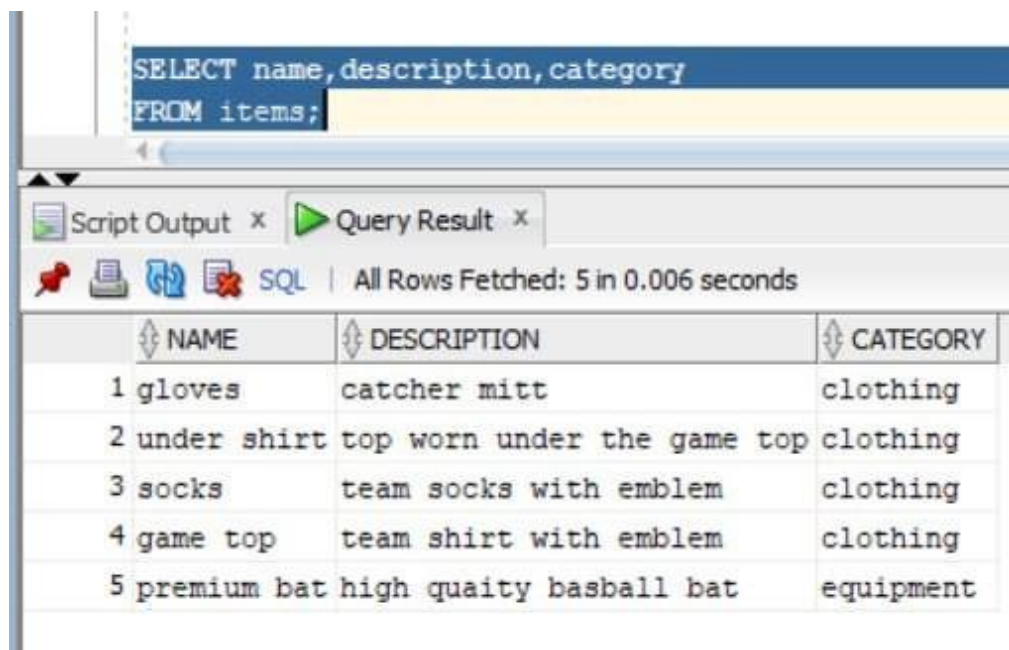
The screenshot shows a SQL query window with the query: `SELECT name,number_of_players FROM teams;`. Below the query window is a 'Script Output' tab and a 'Query Result' tab. The 'Query Result' tab displays the results of the query, showing all rows fetched in 0.004 seconds. The results are presented in a table with two columns: NAME and NUMBER\_OF\_PLAYERS.

	NAME	NUMBER_OF_PLAYERS
1	Rockets	25
2	Celtics	42
3	Rovers	8
4	Jets	10

3. Display the name, description and category for every item in the table

CODE:

```
SELECT name,description,category  
FROM items;
```



The screenshot shows a SQL query window with the query: `SELECT name,description,category FROM items;`. Below the query window is a 'Script Output' tab and a 'Query Result' tab. The 'Query Result' tab displays the results of the query, showing all rows fetched in 0.006 seconds. The results are presented in a table with three columns: NAME, DESCRIPTION, and CATEGORY.

	NAME	DESCRIPTION	CATEGORY
1	gloves	catcher mitt	clothing
2	under shirt	top worn under the game top	clothing
3	socks	team socks with emblem	clothing
4	game top	team shirt with emblem	clothing
5	premium bat	high quaity baseball bat	equipment