



UTM
UNIVERSITI TEKNOLOGI MALAYSIA

SECD2523 - DATABASE

SECTION 10

SQL 3 : DML 2 PART 1

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Section 6 Lesson 6 Exercise 1: Retrieving Data Using SELECT

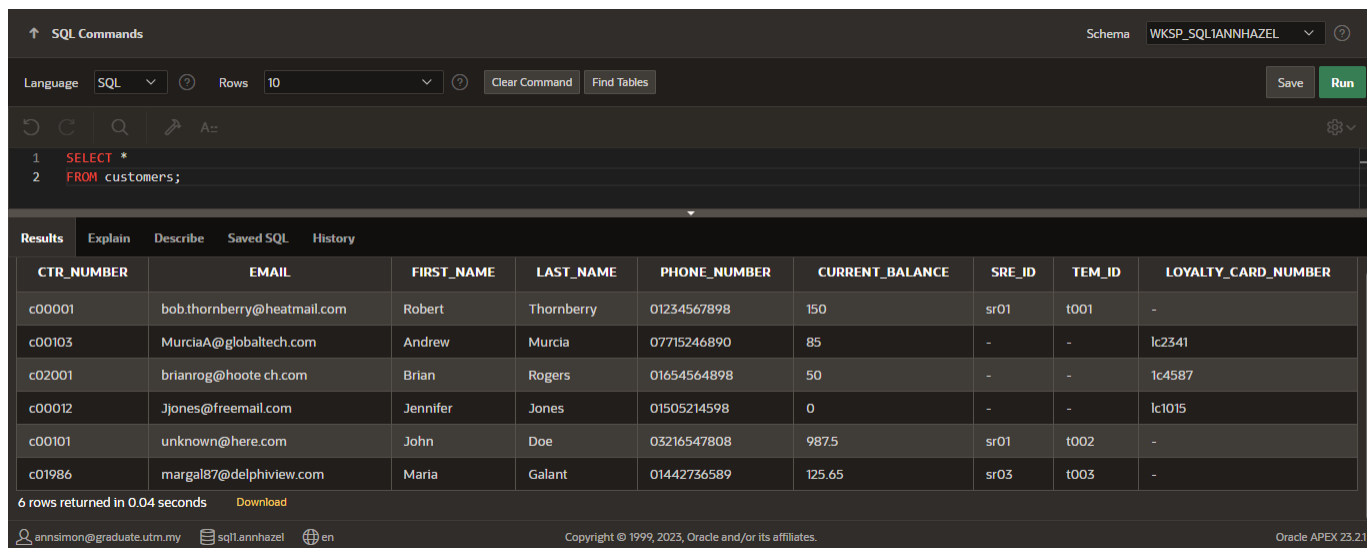
Write and Execute SELECT statements (S6L6 Objective 2)

In this exercise you will retrieve data that is stored in the database system by using a SELECT statement.

Part 1: Retrieving all columns from a table.

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

1. customers.



SQL Commands

Schema: WKSP_SQLIANNHAZEL

Language: SQL Rows: 10

Clear Command Find Tables

Save Run

```
1 SELECT *
2 FROM customers;
```

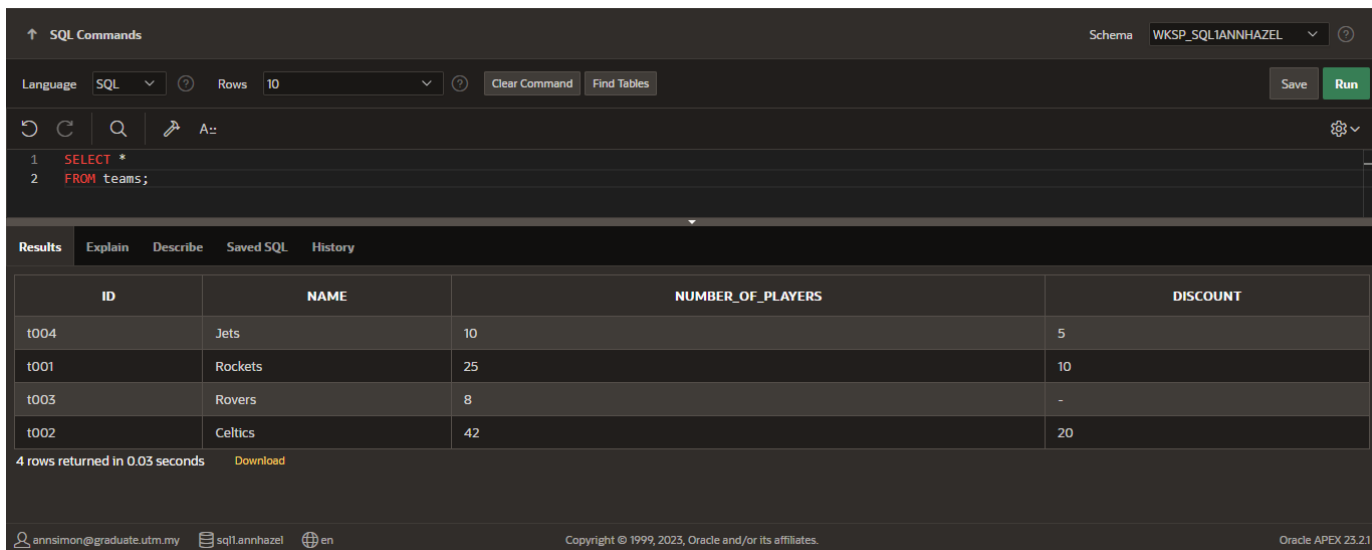
Results Explain Describe Saved SQL History

CTR_NUMBER	EMAIL	FIRST_NAME	LAST_NAME	PHONE_NUMBER	CURRENT_BALANCE	SRE_ID	TEM_ID	LOYALTY_CARD_NUMBER
c00001	bob.thornberry@heatmail.com	Robert	Thornberry	01234567898	150	sr01	t001	-
c00103	MurciaA@globaltech.com	Andrew	Murcia	07715246890	85	-	-	lc2341
c02001	brianrog@hoote.ch.com	Brian	Rogers	01654564898	50	-	-	1c4587
c00012	Jjones@freemail.com	Jennifer	Jones	01505214598	0	-	-	lc1015
c00101	unknown@here.com	John	Doe	03216547808	987.5	sr01	t002	-
c01986	margal87@delphiview.com	Maria	Galant	01442736589	125.65	sr03	t003	-

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2. teams.



SQL Commands

Schema: WKSP_SQLIANNHAZEL

Language: SQL Rows: 10

Clear Command Find Tables

Save Run

```
1 SELECT *
2 FROM teams;
```

Results Explain Describe Saved SQL History

ID	NAME	NUMBER_OF_PLAYERS	DISCOUNT
t004	Jets	10	5
t001	Rockets	25	10
t003	Rovers	8	-
t002	Celtics	42	20

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3. items

SQL Commands

SchemaWKSP_SQLIANNHAZEL

LanguageSQL

Rows10

Clear Command

Find Tables

Save

Run

1SELECT *

2FROM items;

Results

Explain

Describe

Saved SQL

History

ITM_NUMBER	NAME	DESCRIPTION	CATEGORY	COLOR	Size	ILT_ID
im01101044	gloves	catcher mitt	clothing	brown	m	il010230124
im01101046	socks	team socks with emblem	clothing	range	l	il010230126
im01101047	game top	team shirt with emblem	clothing	range	m	il010230127
im01101048	premium bat	high quality basball bat	equipment	-	-	il010230128
im01101045	under shirt	top worn under the game top	clothing	white	s	il010230125

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Part 2: Selecting Specific Columns

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

SQL Commands

SchemaWKSP_SQLIANNHAZEL

LanguageSQL

Rows10

Clear Command

Find Tables

Save

Run

1SELECT ctr_number, first_name, last_name, email, phone_number

2FROM customers;

Results

Explain

Describe

Saved SQL

History

CTR_NUMBER	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER
c00001	Robert	Thornberry	bob.thornberry@heatmail.com	01234567898
c00103	Andrew	Murcia	MurciaA@globaltech.com	07715246890
c02001	Brian	Rogers	brianrog@hoote.ch.com	01654564898
c00012	Jennifer	Jones	JJones@freemail.com	01505214598
c00101	John	Doe	unknown@here.com	03216547808
c01986	Maria	Galant	margal87@delphiview.com	01442736589

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

SQL Commands

Schema: WKSP_SQL1ANNHAZEL

Language: SQL Rows: 10 Clear Command Find Tables Save Run

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

Results Explain Describe Saved SQL History

NAME	NUMBER_OF_PLAYERS
Jets	10
Rockets	25
Rovers	8
Celtics	42

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

SQL Commands

Schema: WKSP_SQL1ANNHAZEL

Language: SQL Rows: 10 Clear Command Find Tables Save Run

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

Results Explain Describe Saved SQL History

NAME	DESCRIPTION	CATEGORY
gloves	catcher mitt	clothing
socks	team socks with emblem	clothing
game top	team shirt with emblem	clothing
premium bat	high quality baseball bat	equipment
under shirt	top worn under the game top	clothing

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