



**UTM**  
UNIVERSITI TEKNOLOGI MALAYSIA

**SECD 2523 - 10**  
**(DATABASE)**

**LAB 3: SQL 3 DML 2**

**PREPARED FOR:**

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**SEMESTER 20232024 – 1**

**SECTION 10**

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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.

**SELECT \***

**FROM** customers;

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	-
c00012	Jjones@freemail.com	Jennifer	Jones	01505214598	0	-	-	lc1015
c00101	unknown@here.com	John	Doe	03216547808	9875	sr01	t002	-
c00103	MurciaA@globaltech.com	Andrew	Murcia	07715246890	85	-	-	lc2341
c01986	margal87@delphiview.com	Maria	Galant	01442736589	125.65	sr03	t003	-
c02001	brianrog@hootech.com	Brian	Rogers	01654564898	50	-	-	lc4587

6 rows returned in 0.04 seconds [Download](#)

2. Teams.

**SELECT \***

**FROM** teams;

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

4 rows returned in 0.03 seconds [Download](#)

3. Items

**SELECT \***

**FROM** items;

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 baseball bat	equipment	-	-	il010230128
im01101045	under shirt	top worn under the game top	clothing	white	s	il010230125

5 rows returned in 0.02 seconds [Download](#)

## Part 2: Selecting Specific Columns

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

**SELECT** ctr\_number, email, first\_name, last\_name, phone\_number

**FROM** customers;

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

5 rows returned in 0.00 seconds [Download](#)

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

**SELECT** name, number\_of\_players

**FROM** teams;

NAME	NUMBER_OF_PLAYERS
Rockets	25
Celtics	42
Rovers	8
Jets	10

4 rows returned in 0.03 seconds [Download](#)

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

**SELECT** name, description, category

**FROM** items;

NAME	DESCRIPTION	CATEGORY
gloves	catcher mitt	clothing
socks	team socks with emblem	clothing
game top	team shirt with emblem	clothing
premium bat	high quaity baseball bat	equipment
under shirt	top worn under the game top	clothing
5 rows returned in 0.03 seconds		<a href="#">Download</a>