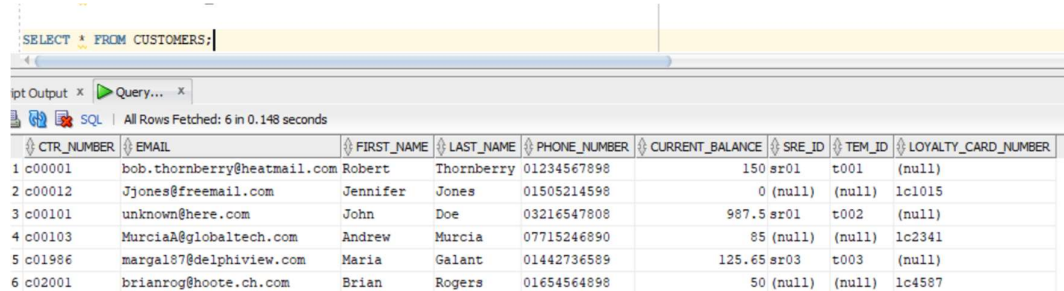Section 6 Lesson 6 Exercise 1:

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:
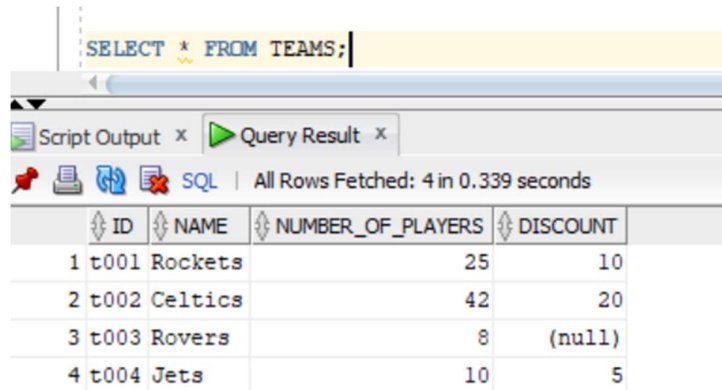
1. customers.

SELECT * FROM CUSTOMERS;

ipt Output × ▶ Query... ×
SQL | All Rows Fetched: 6 in 0.148 seconds

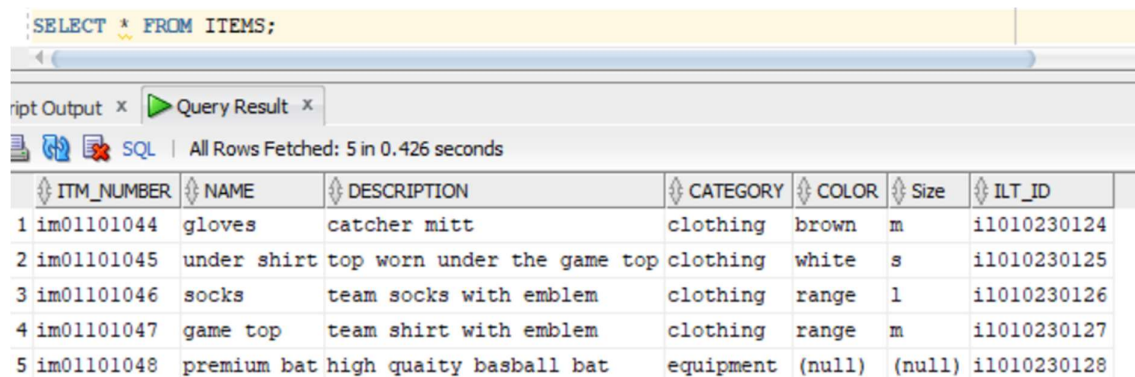|	CTR_NUMBER	EMAIL	FIRST_NAME	LAST_NAME	PHONE_NUMBER	CURRENT_BALANCE	SRE_ID	TEM_ID	LOYALTY_CARD_NUMBER
1	c00001	bob.thornberry@heatmail.com	Robert	Thornberry	01234567898	150	sr01	t001	(null)
2	c00012	Jjones@freemail.com	Jennifer	Jones	01505214598	0	(null)	(null)	lc1015
3	c00101	unknown@here.com	John	Doe	03216547808	987.5	sr01	t002	(null)
4	c00103	MurciaA@globaltech.com	Andrew	Murcia	07715246890	85	(null)	(null)	lc2341
5	c01986	margal87@delphiview.com	Maria	Galant	01442736589	125.65	sr03	t003	(null)
6	c02001	brianrog@hoote.ch.com	Brian	Rogers	01654564898	50	(null)	(null)	lc4587

2. teams.

SELECT * FROM TEAMS;

Script Output × ▶ Query Result ×
SQL | All Rows Fetched: 4 in 0.339 seconds

	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

SELECT * FROM ITEMS;

ript Output × ▶ Query Result ×
SQL | All Rows Fetched: 5 in 0.426 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 basball 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

```
SELECT CTR_NUMBER, FIRST_NAME, LAST_NAME, EMAIL, PHONE_NUMBER FROM CUSTOMERS;
```

ript Output ✕ ▶ Query Result ✕

🖺 � 📇 SQL | All Rows Fetched: 6 in 0.102 seconds

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

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

```
SELECT NAME, NUMBER_OF_PLAYERS FROM TEAMS;
```

ript Output ✕ ▶ Query Result ✕

🖺 � 📇 SQL | All Rows Fetched: 4 in 0.225 seconds

	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.

```
SELECT NAME, DESCRIPTION, CATEGORY FROM ITEMS;
```

ript Output ✕ ▶ Query Result ✕

🖺 � 📇 SQL | All Rows Fetched: 5 in 0.23 seconds

	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 basball bat	equipment