

Lesson 6 Exercise 1

Part 1

1. `SELECT *`
`FROM customers ;`
2. `SELECT *`
`FROM teams ;`
3. `SELECT *`
`FROM items ;`

Part 2

1. `SELECT ctr_number, email, first_name, last_name, phone_number`
`FROM customers ;`
2. `SELECT name, number_of_players`
`FROM teams ;`
3. `SELECT name, description, category`
`FROM items ;`

FIRST_NAME	LAST_NAME	CURRENT_BALANCE	CURRENT_BALANCE-5
1 Robert	Thornberry	150	145
2 Jennifer	Jones	0	-5
3 John	Doe	987.5	982.5
4 Andrew	Murcia	85	80
5 Maria	Galant	125.65	120.65

Lesson 6 Exercise 2

Part 1

1. `SELECT first_name, last_name, current_balance, current_balance/12`
`FROM customers ;`
2. `SELECT first_name, last_name, ctr_number, current_balance, current_balance - 5`
`FROM customers ;`
3. It produce -5 balance which cannot be negative for the balance

Part 2 (alias column)

```
SELECT first_name "First Name", last_name "Last Name", current_balance * 5
"balance", current_balance "Monthly repayments"
FROM customers;
```

	first name	last name	balance	monthly repayments
1	Robert	Thornberry	145	12.5
2	Jennifer	Jones	-5	0
3	John	Doe	982.5	82.291666666666666666666666666667
4	Andrew	Murcia	80	7.08333333333333333333333333333333
5	Maria	Gelant	120.65	10.47083333333333333333333333333333

Part 3 (literal character)

```
1. SELECT 'The ' || name || ' team has ' || number_of_players || ' players and
   receives a discount of ' || discount || ' percent'
      AS "Team Information"
FROM teams;
```

```

Team Information
1 TheRocketsteam has25players and receives a discount of10percent
2 TheCelticsteam has42players and receives a discount of20percent
3 TheRoversteam has8players and receives a discount ofpercent
4 TheJetsteam has10players and receives a discount of5percent

```

2. The discount value is NULL

Lesson 7 Exercise 1

Part 1 (using WHERE)

```
1. SELECT * FROM customers
   WHERE civ-number = '001986';
```

```
2. SELECT first_name, last_name, car_number
   FROM customers
  WHERE current_balance > 100 ;
```

	FIRST_NAME	LAST_NAME	CTR_NUMBER
1	Robert	Thornberry	c00001
2	John	Doe	c00101
3	Maria	Galant	c01986

```
3. SELECT id, odr_date, odr_time
   FROM orders
  WHERE odr_date < '28-May-2019';
```

ID	ODR_DATE	ODR_TIME
1 or0101250	17/04/2017	17/04/2017
2 or0101350	24/05/2017	24/05/2017
3 or0101425	28/05/2017	28/05/2017
4 or0101681	02/06/2017	02/06/2017
5 or0101750	18/06/2017	18/06/2017

Part 2

```
SELECT id, cost, units
FROM inventory_list
WHERE cost BETWEEN 3 AND 15;
```

	ID	COST	UNITS
1	11010230125	7.99	250
2	11010230126	5.24	87

Part 3

```
SELECT id, cost, units  
FROM inventory_list  
WHERE units IN (50, 100, 150, 200);
```

Part 4

```
SELECT id "Inventory ID", cost, units  
FROM inventory_list  
WHERE units NOT IN (50, 100, 150, 200);
```

Part 5

```
SELECT itm_number "Item Number", name  
FROM items  
WHERE name LIKE 'g%';
```

Part 6

```
SELECT itm_number "Item Number", name  
FROM items  
WHERE name LIKE '_o%';
```

Lesson 7 Exercise 2

Part 1

```
1. SELECT 'The ' || name || ' team has ' || number_of_players || ' players and does  
   not receive a ' || discount || ' discount'  
   AS 'Team Information'  
   FROM teams  
   WHERE discount IS NULL;
```

```
2. SELECT 'The ' || name || ' team has ' || number_of_players || ' players and does  
not receive a ' || discount || ' discount'  
AS 'Team Information'  
FROM teams  
WHERE discount IS NOT NULL;
```

Part 2

```
SELECT ctr.number "Customer Number", address_line_1 "Street Address",  
zip_code "Postal Code"  
FROM customers_addresses  
WHERE city = 'Liverpool' AND address_line_2 = 'Stanford';
```

Part 3

```
SELECT ctr.number "Customer Number", address_line_1 "Street Address",  
zip_code "Postal Code"  
FROM customers_addresses  
WHERE city = 'Liverpool' OR address_line_2 = 'Stanford';
```

Part 4

```
SELECT ctr.number "Customer Number", address_line_1 "Street Address",  
zip_code "Postal Code"  
FROM customers_addresses  
WHERE city NOT IN ('Liverpool');
```

Lesson 8 Exercise 1

```
1. SELECT name "Team Name", number_of_players "no-of players"  
FROM teams  
ORDER BY name;
```

```
2. SELECT name "Team Name", number_of_players "no. of players"  
FROM teams  
ORDER BY number_of_players DESC;
```

```
3. SELECT name "Team Name", number_of_players "Players"  
FROM teams  
ORDER BY name DESC
```

Lesson 8 Exercise 2

Part 1 (TOP N ANALYSIS)

```
SELECT ROWNUM AS "Customer Number", first_name || ' ' || last_name  
"Customer Name"  
FROM (SELECT first_name, last_name FROM customers)  
WHERE ROWNUM <= 3;
```

Customer Number	Customer Name
1	1 RobertThornberry
2	2 JenniferJones
3	3 JohnDoe

Part 2

```
SELECT first_name, last_name, commission_rate  
FROM sales_representative  
WHERE commission_rate = :commission_rate;  
ORDER BY last_name;
```

Enter Bind

commission_rate

Name: commission_rate

☒ NULL

Value: commission_rate

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