

DML 2, SQL 3

Part 1

Lesson 6, Exer 1

- part 1

1 SELECT * customers

2 SELECT * teams

3 SELECT * items

- part 2

1 SELECT ctr-number, first-name, last-name, email, phone-number
FROM customers;2 SELECT name, number-of-players
FROM teams;3 SELECT name, description, category
FROM items;

Lesson 6 Exer 2

part 1

1 SELECT first-name, last-name, current-balance, current-balance/12 "Monthly-payment"
FROM customers;2 SELECT first-name, last-name, ctr-number, current-balance, current-balance-5 "minus-gift"
FROM customers;

3 there might be logical error where current balance become negative

part 2

1 SELECT first-name "First Name", last-name "Last Name", current-balance "Balance", current-balance/12
"Monthly Repayments"

FROM customers;

part 3

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

2. The Rovers team not show discount because it have NULL value.

Lesson 7, Exer 1

part 1

1. SELECT * FROM customers

WHERE ctr_number = 'C01986';

2. SELECT first_name "First Name", last_name "Last Name", ctr_number "Customer Numbers"
FROM Customers,

WHERE current_balance > 100;

3. SELECT id "Order ID", odr_date "Order Date", odr_time "Order time"
FROM orders

WHERE odr_date < '28/05/2019';

part 2

1. SELECT id "Inventory ID", cost "Cost", units "Unit"
FROM inventory-list

WHERE cost BETWEEN 3 AND 15;

part 3

1. SELECT id "Inventory ID", cost "Cost", units "Unit"
FROM inventory-list

WHERE unit IN (50, 100, 150, 200);

part 4

SELECT id "Inventory ID", cost "Cost", units "Unit"
FROM inventory-list.

WHERE unit NOT IN (50, 100, 150, 200);

part 5

```
1 SELECT itm-number "Item Number", name "Name"
FROM items
WHERE name like 'g%';
```

part 6

```
1 SELECT itm-number "Item Number", name "Name"
FROM items
WHERE name like '%o%';
```

Lesson 7, Exer 2

part 1

```
1 SELECT 'The ' || name || 'has' || number-of-players || ' players and does not
   receive a discount.' "Item Information"
FROM teams
WHERE discount IS NULL;

2 SELECT 'The ' || name || 'has' || number-of-players || ' players and receive a discount of'
   || discount || ' percent.'
FROM teams
WHERE discount IS NOT NULL;
```

part 2

```
1 SELECT ctr-number "Customer Number", address-line-1 "Street Address", zip-code
   "Postal Code"
FROM customers-addresses
WHERE address-line-2 = 'Stanford' AND city = 'Liverpool';
```

part 3

```
1 SELECT ctr-number "Customer Number", address-line-1 "Street Address",
   zip-code "Postal Code"
FROM customers-addresses
WHERE address-line-2 = 'Stanford' OR city = 'Liverpool';
```


part 4

```
1. SELECT ctr-number "Customer Number", address-line-1 "Street Address",  
    zip-code "Postal Code"  
FROM customers-addresses  
WHERE NOT city = 'Liverpool';
```

Lesson 8 Exer 1

part 1

```
1 SELECT name "Name", number-of-players "Number of players"  
FROM teams  
ORDER BY name;  
2 SELECT name "Name", number-of-players "Number of players"  
FROM teams  
ORDER BY number-of-player DESC;  
3 SELECT name "Team Name", number-of-players "Players"  
FROM teams  
ORDER BY "Team Name" DESC;
```

Lesson 8, Exer 2

part 1

```
1 SELECT first_name || ' ' || last_name "Customer Name"  
FROM (SELECT first_name, last_name  
FROM customers  
ORDER BY ctr-number);  
WHERE rownum <= 5;
```

Part 2

```
1 SELECT first_name "First Name", last_name "Last Name"  
FROM sales-representatives  
WHERE commision-rate != commission;
```