

Exercise 1

Part 1

- 1) SELECT *
FROM customers;
- 2) SELECT *
FROM teams;
- 3) SELECT *
FROM items;

Part 2

- 1) SELECT customer-number, first-name, last-name, email,
Phone-number
FROM customers;
- 2) SELECT team-name, number-of-players
FROM teams;
- 3) SELECT item-name, description, category
FROM items;

Exercise 2

Part 1

1) SELECT

first-name,
last-name,
current-balance,
current-balance / 12 AS monthly-payment

FROM

customers;

2) SELECT

first-name,
last-name,
customer-number,
current-number,
current-balance,
(current-balance - 5.00) AS balance-after-gift

FROM

customers;

3) It does not take into account customers with a balance less than 5.00.

PART 2

SELECT

first-name AS "First Name",

last-name AS "Last Name",

current-balance AS "Balance",

current-balance / 12 AS "monthly

R repayments"

FROM

Customers;

Part 3

1) SELECT

team-name || 'team has' || number-of-players ||
'players and receives a discount of 10 percent'

2) Because it contains null value

Exercise 3 Part 1

1) SELECT *

FROM your-table-name
WHERE customer-number = 'MariaGraantCustomerNumber';

2) SELECT first-name AS FirstName, last-name AS LastName,
customer-number AS CustomerNumber

FROM your-table-name
WHERE current-balance > 100;

3) SELECT order-id AS OrderID, order-date AS Date, order-time AS Time

FROM your-table-name
WHERE order-date < '2019-05-28';

Part 2

SELECT inventory-id AS InventoryID, cost AS Cost,

units AS NumberOfUnits

FROM your-table-name

WHERE trade-cost BETWEEN 2.00 AND 15.00;

Part 3

```
SELECT inventory_id AS InventoryID, cost AS Cost, units AS NumberOfUnits  
FROM your-table-name  
WHERE units IN (50,100,150,200);
```

Part 4

```
SELECT inventory_id AS InventoryID, cost AS Cost, units AS NumberOfUnits  
FROM your-table-name  
WHERE units NOT IN (50,100,150,200);
```

Part 5

```
SELECT item-number AS ItemNumber, item-name AS ItemName  
FROM your-table-name  
WHERE item-name LIKE 'j%';
```

Part 6

```
SELECT item-number AS ItemNumber, item-name AS ItemName  
FROM your-table-name  
WHERE item-name LIKE '%.o%';
```

Exercise 4

Part 1

1) SELECT

team-name AS "Team Information",
 num-players AS "Number of Players",
 'does not receive a discount.' AS "Discount Status"
 FROM your-table-name
 WHERE discount-percentage IS NULL;

2) SELECT

team-name AS "Team Information",
 num-players AS "Number of Players",
 CONCAT ('receives a discount of ', discount-percentage, ' percent.')
 AS "Discount Status"
 FROM your-table-name
 WHERE discount-percentage IS NOT NULL;

Part 2

SELECT

Customer-number AS "Customer Number",
 address-line1 AS "Street Address",
 postal AS "Postal Code"
 FROM your-customer-table
 WHERE city = 'Liverpool' AND area = 'Stanford';

Part 3

SELECT

Customer-number AS "Customer Number",

address-line1 AS "Street Address",

Postal-code AS "Postal Code"

FROM your_customer_table

WHERE city = 'Liverpool' OR area = 'Stanford';

Part 4

SELECT

Customer-number AS "Customer Number"

address-line1 AS "Street Address",

Postal-code AS "Postal Code"

FROM your_customer_table

WHERE city != 'Liverpool';

Exercise 5

Part 1

1) SELECT

```
team-name AS "Team Name",
num-players AS "Number of Players"
FROM your-table-name
ORDER BY team-name;
```

2) SELECT

```
team-name AS "Team Name",
num-players AS "Number of Players"
FROM your-table-name
ORDER BY num-players DESC;
```

3) SELECT

```
team-name AS "Team Name"
num-players AS "Players"
FROM your-table-name
ORDER BY "Team Name" DESC;
```

Exercise 6

Part 2

WITH RankedCustomers AS (

SELECT

first-name,

last-name,

Row-Number() over (Order By customer-number) AS row-num

FROM your-customer-table

)

SELECT

CONCAT(first-name, ' ', last-name) AS "customer Name"

FROM RankedCustomers

WHERE row-num <= 3;

Part 2

ACCEPT Commission_rate NUMBER PROMPT 'ENTER
Commission Rate: ';

SELECT

first_name AS "FIRST NAME",

last_name AS "LAST NAME",

Commission_rate AS "Commission Rate"

FROM your_sales_rlp_table

WHERE Commission_rate = ? commission_rate

ORDER BY last_name;