

SQL 3 - DML 2

Part 1

Exercise 1

Question 1

1. SELECT * FROM CUSTOMERS
2. SELECT * FROM TEAMS
3. SELECT * FROM ITEMS

Question 2

1. SELECT ctt-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

Part 2

Question 1

1. SELECT first-name, last-name, current-balance, current-balance/12.00 AS
Monthly-Payment FROM customers
2. SELECT ~~first-name~~, last-name, phone-number, current-balance,
~~current-balance - 5.00 AS~~ balance-after-gift
FROM customers
3. May lead to negative values or value with zero for ~~balance-after-gift~~
column. If current balance is less than five, subtracting it with 5
will result in negative and if current balance is 5 it will
result in zero.

Question 2

1. SELECT first-name ~~AS~~ "First Name", last-name ~~AS~~ "Last Name",
current-balance ~~AS~~ "Balance", current-balance/12 "Monthly repayments"
FROM customers

Question 3

1. SELECT 'The ' || name || ~~' has '~~ || number-of-players || ' players and receives a
discount of ' || discount || ' percent' AS "Team Information" FROM teams
2. The value in the discount column for the first team is NULL

Part 3

Question 1

1. SELECT * FROM customers
WHERE Ctr-number = 'C01986'
2. SELECT first-name AS "First Name", last-name AS "Last Name",
Ctr-number AS "Customer Number" FROM customers
WHERE Current-balance > 100
3. SELECT ID AS "Order ID", odr-date AS "Date", odr-time AS "Time"
FROM orders
WHERE odr-date < '29-May-2019'

Question 2

1. SELECT ID AS "Inventory ID", Cost AS "Cost", Units AS "Units"
FROM inventory-list
WHERE Cost BETWEEN 3.00 AND 15.00

Question 3

1. SELECT ID AS "Inventory ID", Cost AS "Cost", Units AS "Units" FROM inventory-list
WHERE units IN (50, 100, 150, 200)

Question 4

1. SELECT ID AS "Inventory ID", Cost AS "Cost", Units AS "Units" FROM inventory-list
WHERE units NOT IN (50, 100, 150, 200)

Question 5

1. SELECT itm-number AS ~~Item~~ "Item Number", name AS "Name"
FROM items
WHERE name LIKE '%0%'

Question 6

1. SELECT itm-number AS "Item Number", name AS "Name" FROM items
WHERE NAME LIKE '%0%'

Part 4

Question 1

1. SELECT 'The ' || name || ' team has ' || number_of_players || ' players and does not receive a discount.' AS "Team Information" FROM teams WHERE discount IS NULL
2. SELECT 'The ' || ~~name~~ || ' team has ' || number_of_players || ' players and receive a discount of ' || discount || ' percent.' AS "Team Information" WHERE discount IS NOT NULL

Question 2

1. SELECT ctn-number AS "Customer Number", address-line-1 ~~AS~~ "Street Address", Zip-code AS "Postal Code" FROM customers_addresses WHERE city = 'Liverpool' AND address-line-2 = 'Starford'

Question 3

1. SELECT ctn-number AS "Customer Number", address-line-1 AS "Street Address", Zip-code AS "Postal Code" FROM customers_addresses WHERE city = 'Liverpool' OR address-line-2 = 'Starford'

Question 4

1. SELECT ctn-number AS "Customer Number", address-line-1 AS "Street Address", Zip-code AS "Postal Code" FROM customers_address WHERE city <> ~~Liverpool~~ 'Liverpool'

Part 5

Question 1

1. SELECT name AS "Team Name", number_of_players AS "Number of Players" FROM teams ORDER BY name
2. SELECT name AS "Team Name", number_of_players AS "Number of Players" FROM teams ORDER BY number_of_players DESC
3. SELECT name AS "Team Name", number_of_player AS "Players" FROM teams ORDER BY "Team Name" DESC

Question 1

```
1. SELECT ROWNUM, first_name || ' ' || last_name AS "Customer Name"
FROM (SELECT first first_name, last_name, ctt-number FROM customers
ORDER BY ctt-number)
WHERE ROWNUM <= 3
```

Question 2

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1. SELECT
first_name AS "First Name",
last_name AS "Last Name"
FROM (SELECT commission_rate, first_name, last_name FROM sales-representatives
ORDER BY (last_name))
WHERE commission_rate = : commission_rate
```