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Date:

Lab 3

Part 1

1) 1) SELECT * FROM customers;

2) SELECT * FROM teams;

3) SELECT * FROM items;

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;

Part 2

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 - 5.00)
AS new-current-balance-minus-gift
FROM customers;

3) Confusing to check and update the value if
something happen.

2) 1) SELECT first-name "First Name", last-name "Last Name",
current-balance "Balance", current-balance/12
"Monthly Repayment"
FROM customers;

3) 1) SELECT 'The' || name || ' team has ' || number-of-players ||
' player and receives a discount of ' || discount ||
' percent.' "Team information"

2) The discount value is null

Part 3

1) 1) SELECT * FROM customers
WHERE ctr-number = 'C01970';

2) SELECT first-name "First Name",
last-name "Last Name", ctr-number "Customer Number",
FROM customers
WHERE current-balance > 100;

3) SELECT id "Order ID", odr-date "Order Date",
odr-time "Order Time",
FROM orders
WHERE odr-date < 'May-28-2019';

2) 1) SELECT id "Inventory ID", cost "Inventory Cost",
units "Inventory Units",
FROM inventory-list
WHERE cost BETWEEN 3.00 AND 15.00;

3) 1) SELECT id "Inventory ID", cost "Inventory Cost",
units "Inventory Units",
FROM inventory-list
WHERE units IN (50, 100, 150, 200);

4) 1) SELECT id "Inventory ID", cost "Inventory Cost",
units "Inventory Units",
FROM inventory-list
WHERE units NOT IN (50, 100, 150, 200);

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501) SELECT item_number "Item Number", name "Item Name"
FROM items
WHERE name LIKE 'g%';

601) SELECT item_number "Item Number", name "Item Name"
FROM items
WHERE name LIKE '%0%';

Part 4

1) 1) SELECT 'The ' || name || ' team has ' || number-of-players
|| ' player and does not receive a discount.' AS
"Team Information" FROM teams
WHERE discount IS NULL;

2) SELECT 'The ' || name || ' team has ' || number-of-players
|| ' player and receives a discount of ' || discount ||
' percent.' AS "Team Information" FROM teams
WHERE discount IS NOT NULL;

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

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

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

Part 5

- 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-players
AS "PLAYERS" FROM teams
ORDER BY name DESC;

Part 6

- 1) 1) SELECT ROWNUM "Top 3", first-name || ' ' || last-name
"Customer Name"
FROM (SELECT first-name, last-name FROM customers
ORDER BY ctr-number)
WHERE ROWNUM <= 3;
- 2) 1) SELECT first-name "First Name", last-name "Last Name"
FROM sales-representatives
WHERE comission-rate = :rate
ORDER BY last-name;