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Part 1: Retrieving all columns from a table

- ① Customers

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

PART 2: Selecting Specific Columns

- ① Display the customer no. first name, last name, email and phone number of the customer SELECT ctr_number, first_name, last_name, email, phone_number FROM customers;
- 2) Display the name and number of players for each team SELECT name, number_of_pages FROM teams;
- 3 Display the name, description and category for every item in the table SELECT name, description, category

 FROM items;

PART 1: Using Arithmetic Operators

(1) SELECT first_name, last_name, current_balance / 12 FROM customers;

- 2) SELECT first-name, last_name, current_balance 5 FROM customers;
- 3 When current balance is zero, the current_balance-5 becomes-5 which is illogical in real world.

PART 2: Using Column Alliases

① SELECT first_name "First Name", last_name "Last Name", current_name "Balance", current_balance/12 "Monthly Repayments"

FROM customers;

PART 3: Using Literal Character Strings

- () SELECT 'The 'Il name II 'team has' || number_of_players || 'player and receives a discount of '|| discount || 'percent'. "Team Information'"
- (2) It is because the discount of the last team (Rovers) is null.

PART 1: Using the WHERE Clause

- (1) SELECT *

 FROM customers

 WHERE ctr_number = "C01986"
- 2) SELECT first_name, last_name, Ctr_number FROM customers

 WHERE current_balance > 100;
- (3) SELECT id adr_date, adr_time FROM orders

 WHERE adr = date < 'May 28 20 (9';

Part 2 : Range Conditions : Between Operator

SELECT *

FROM inventory_list

WHERE COST BETWEEN 3.00 AND 15.00;

PART 3: Membership Conditions: IN Operator

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(1) SELECT *
FROM inventory_list
WHERE units IN (50, 100, 150, 200);

PART 4: Membership Conditions: NOT IN Operator

(1) SELECT *
FROM inventory_list
WHERE units NOT IN (50, 100, 150, 200);

PART S: Pattern Matching: LIKE Operator

(1) SELECT itm number "Item Number", name "Item Name"
FROM items
WHERE name LIKE '9%';
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PART 6: Pattern Matching: Combining Wildcard Characters with the LIKE Operator

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

PART 1 : Using the NULL Conditions

- (1) SELECT 'The' | | name | | 'team has' | | number_of_players | | | player and does not receive a discount.' "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': "Team Information" | FROM teams | WHERE discount IS NOT NULL;

PART 2 : Logical Operations : AND

① SELECT ctr_number "Customer Number', address_line-1 "Street Address", zip-code "Postal Code" FROM customer-address

WHERE city = 'Liverpool' AND address_line-2 = 'Starford';

PART 3: Logic Operators: OR

(1) SELECT cfr_number "Customer Number", address_line_1 "Street Address", zip-code "Postal Code" FROM customers_address
WHERE city = 'Livepool' OR address_line_2 = 'Starford';

PART 4: Logical Operators: NOT Equal to

- (*) SELECT ctr_number 'Coustomer Number', address_live_1 "Street Address", 2ip-code "Postal Code" FROM customers_address
 WHERE city <> 'Livepool'
- (1) SELECT name "Team Name", number_of_players "Number of players" FROM teams
 ORDER BY name;
- 2) SELECT name "Team Name", number 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;

PART 1: TOP-N-ANALYSIS

(D) SELECT ROWNUM "Top 3 Customers", first_name || '| || last_name "customer Name"

FROM

(SELECT first_name, last_name

FROM customers

ORDER BY ctr_number)

WHERE ROWNUM <= 3;

2) SELECT first_name "First Name", last_name "Last Name" FROM sales-representatives where commission -rate = : rate ORDER BY Last_name;