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MATRIC NO. : A22EC0167

SECTION : 06

TITLE : SECD2523 - SQL3 DML2 LAB.

Exercise 1 (PART 1)

Part 1

1. SELECT * FROM customers;

2. SELECT * FROM teams;

3. SELECT * FROM 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;

Exercise 2 (PART 2)

Part 1

1. SELECT first_name, last_name, current_balance, ~~12×monthly~~
   current_balance / 12   FROM customers;

2. SELECT first_name, last_name, ctr_number, current_balance,
   current_balance - 5.00 FROM customers;

3. - Problem with the scheme is when there ~~is~~ are null values in
     the ~~table~~ data table.
   - Because any arithmetic expressions on null values will result
     in null values.

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 || ' ~~has~~ team has ' || number_of_players
   || 'players and receives a discount of '|| discount || 'percent'
   AS "Team Information" FROM teams;

Exercise 1 ~~(PART 3)~~ (PART 3)

Part 1

1. SELECT * FROM customers WHERE ctr_number = ` co1986 ` ;

~~2 SELECT first_name , last_name , ctr_number FROM~~

2. ~~SEE~~ 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 < ` 28 - May - 2019 ` ;

Part 2

1. SELECT id " Inventory ID ", cost " Cost ", units " Number of Units "
   FROM inventory_list ~~WHERE~~ WHERE cost BETWEEN 3.00 AND
   15.00 ;

Part 3

1. SELECT id " Inventory ID ", cost " # Cost ", units " Number of Units "
   FROM inventory_list WHERE units IN (50, 100, 150, 200) ;

Part 4

1. SELECT id " Inventory ID ", cost " Cost ", units " Number of Units "
   FROM inventory_list WHERE units 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% `~~ ` %o% ` ;

Exercise 2 (Part 4)

Part 1

1. SELECT `The` || name || `has` || number_of_players || ` and does not receive a discount` FROM teams WHERE discount IS NULL;

2. SELECT `The` || name || `has` || number_of_players || ` and receives a discount of ` || discount || `percent` FROM teams WHERE IS NOT NULL;

Part 2

~~+ SELECT ctr_number " ctr_number ",~~

~~L SELECT Id "~~

1. SELECT ctr_number " Customer Number ", address_line_1 " Street Address ", zip_code " Postal Code " FROM customers_addresses WHERE address_line_2 = 'Starford' 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 = 'Starford' OR city = 'Liverpool';

Part 4

1. SELECT ctr_number " Customer Number ", address_line_1 " Street Address ", zip_code "Postal Code" FROM customers_addresses WHERE city != 'Liverpool';

Exercise 1 (Part 5)

1. SELECT name " Team Name " , number_of_players " Number of Players"
   FROM teams ORDER BY name ;

2. SELECT name " Team Name", number_of_players "Number of Players"
   FROM teams ORDER BY name DESC ;

3. SELECT name " Team Name " , number_of_players "Players "
   FROM teams ORDER BY " Team Name" DESC ;

Exercise 2 (Part 6)

Part 1

1. SELECT ROWNUM AS " Number ", first-name name "Customer Name"
   FROM (SELECT first_name || " " || last_name AS name
   FROM customers ORDER BY ctr-number)
   WHERE ROWNUM <= 3 ;

Part 2

1. SELECT first_name "First Name", last_name " Last Name "
   FROM sales_representatives
   WHERE commission_rate = :rate ORDER BY last_name ;