

SECD2523 DATABASE

SECTION 10

SQL LAB 3 - DML 2 PART 2

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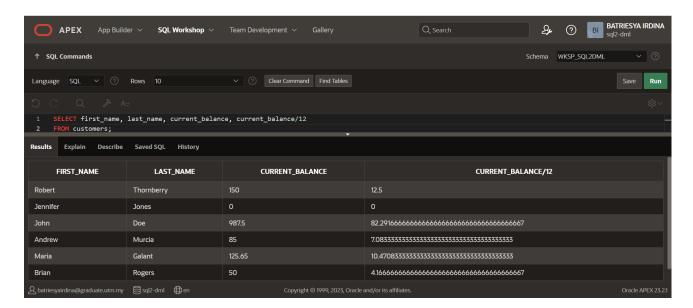
Section 6 Lesson 6 Exercise 1: Retrieving Data Using SELECT Write and execute SELECT statements (S6L6 Objective 2)

In this exercise, you will retrieve data that is stored in the database system by using a SELECT statement

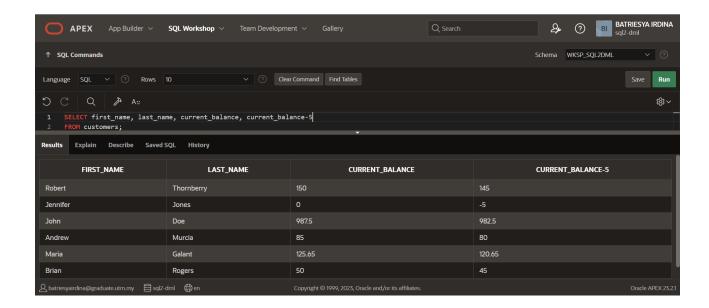
Part 1: Using Arithmetic Operators

Using the SELECT* statement, show all data stored in the following tables:

- 1. Every customer has been told they can pay off their current balance over a 12 month period. Display the customer's first name, last name, current balance and monthly payment.
 - SELECT first_name, last_name, current_balance, current_balance/12
 FROM customers;



- 2. Obl is considering giving a gift card to all its customers of 5.00 that can be used to reduce their current balance. Write a query that will show the customers first name, last name, customer number, current balance and the value of their balance minus the gift value.
 - SELECT first_name, last_name, current_balance, current_balance-5
 FROM customers;

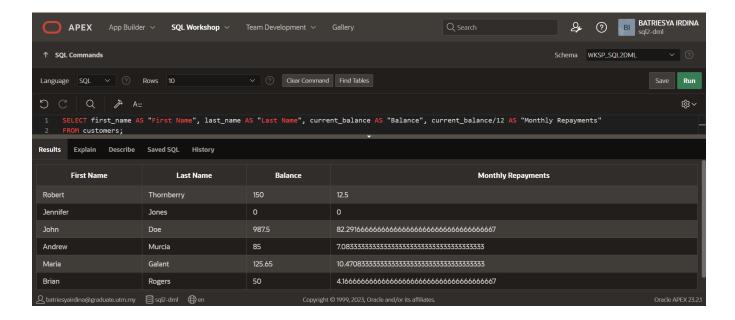


3. What would be the problem with implementing this scheme?

The new current balance will be a negative value for any current balance that is less than 5 after deducting the 5.00 dollar gift card.

Part 2: Using Column Aliases

- 1. You previously wrote a query that displayed the customer's first name, last name, current balance and monthly payment. Rewrite the query to use First Name, Last Name, Balance and Monthly Repayments as the column aliases. The aliases are to be shown exactly as described (case sensitive).
 - SELECT first_name AS "First Name", last_name AS "Last Name", current_balance AS "Balance", current_balance/12 AS "Monthly Repayments"
 FROM customers;

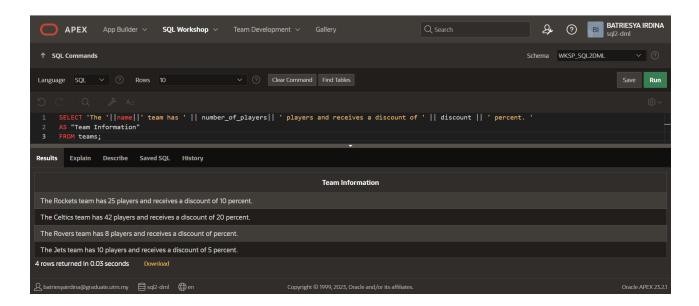


Part 3: Using Literal Character Strings

1. Write a query that will display the team information in the following format:

The Rockets team has 25 players and receives a discount of 10 percent.

Use **Team Information** as the column alias.



2. Why does the last team not show a discount?

Team Rovers does not show any discount because their team has a NULL value for the discount column.