

# SCHOOL OF COMPUTING SESSION 2023/2024, SEMESTER 3 SECD2523 - DATABASE SECTION 10

**SQL LAB 3 - DML2 PART2** 

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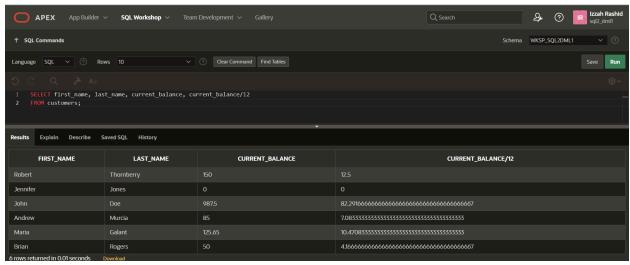
#### Section 6 Lesson 6 Exercise 2: Retrieving Data Using SELECT

Write and Execute SELECT statements (S6L6 Objective 2)

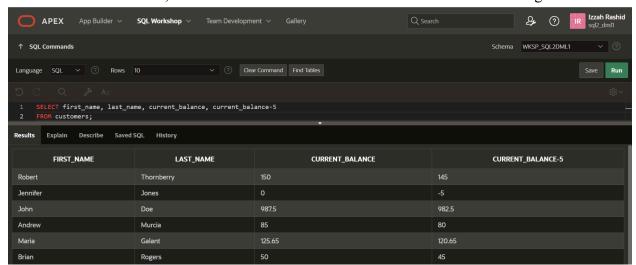
In this exercise you will retrieve data that is stored in the database system by using a SELECT statement.

#### Part 1: Using Arithmetic Operators

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.



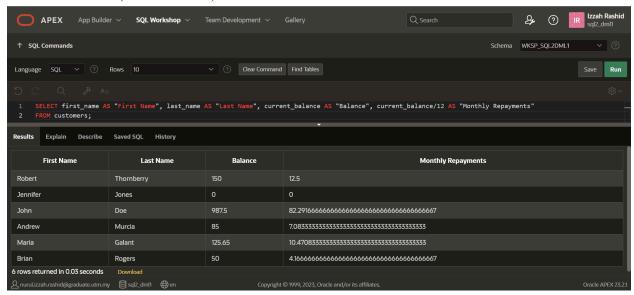
2. Obl is considering giving a gift card to all its customers of 5.00 that can be used to reduce their current balance. Write a query that will show the customers first name, last name, customer number, current balance and the value of their balance minus the gift value.



- 3. What would be the problem with implementing this scheme?
  - = The new current balance will be a negative value.

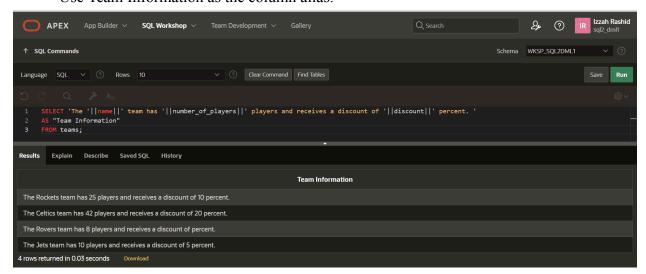
#### Part 2: Using Column Aliases

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).



#### 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?
  - = Their team has a NULL value for the discount column.