



UTM
UNIVERSITI TEKNOLOGI MALAYSIA

SECD 2523 - 10
(DATABASE)

LAB 3: SQL 3 DML 2

PART 2

PREPARED FOR:

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SECTION 10

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Write and Execute SELECT statements (S6L6 Objective 2)

Part 1: Using Arithmetic Operators

- ```
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.

| first_name                      | last_name  | current_balance          | current_balance-5 |
|---------------------------------|------------|--------------------------|-------------------|
| Robert                          | Thornberry | 150                      | 145               |
| Jennifer                        | Jones      | 0                        | -5                |
| John                            | Doe        | 987.5                    | 982.5             |
| Andrew                          | Murcia     | 85                       | 80                |
| Maria                           | Galant     | 125.65                   | 120.65            |
| Brian                           | Rogers     | 50                       | 45                |
| 6 rows returned in 0.01 seconds |            | <a href="#">Download</a> |                   |

The current balance can be a negative value for any customer's current balance that is less than 5 after using 5\$ gift card to reduce current balance.

1. You previously wrote a query that display 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).

| First Name                                               | Last Name  | Balance | Monthly Repayments                  |
|----------------------------------------------------------|------------|---------|-------------------------------------|
| Robert                                                   | Thornberry | 150     | 12.5                                |
| Jennifer                                                 | Jones      | 0       | 0                                   |
| John                                                     | Doe        | 987.5   | 82.291666666666666666666666666667   |
| Andrew                                                   | Murcia     | 85      | 7.08333333333333333333333333333333  |
| Maria                                                    | Galant     | 125.65  | 10.47083333333333333333333333333333 |
| Brian                                                    | Rogers     | 50      | 4.16666666666666666666666666666667  |
| 6 rows returned in 0.01 seconds <a href="#">Download</a> |            |         |                                     |

```
SELECT 'The '||name||'team has '|| number_of_players||' players and receives a discount of ' ||
discount ||'percent. '
AS "Team Information"
FROM teams;
```

| Team Information |                                                      |
|------------------|------------------------------------------------------|
| The Rocketsteam  | has 25 players and receives a discount of 10percent. |
| The Celticsteam  | has 42 players and receives a discount of 20percent. |
| The Roversteam   | has 8 players and receives a discount of percent.    |
| The Jetsteam     | has 10 players and receives a discount of 5percent.  |

4 rows returned in 0.01 seconds

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

The last team does not show any discount is because “Team Rovers” has a NULL value for discount column