

# LAB 3

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## **EXERCISE 1**

### **PART 1**

1. Using the SELECT \* statement show all data stored in the following tables:

1. customers.

```
SELECT *  
FROM customers;
```

2. teams.

```
SELECT *  
FROM teams;
```

3. items

```
SELECT *  
FROM items;
```

### **PART 2**

1. Display the customer number, first name, last name, email and phone number of the Customers.

```
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_players  
FROM teams;
```

3. Display the name, description and category for every item in the table

```
SELECT name, description, category  
FROM items;
```

## EXERCISE 2

### Part 1

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, ctr_number, currnt_balance, current_balance-5  
FROM customers;
```

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

Cannot go below 0

### Part 2

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).

```
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

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.

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

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

it contain a null value which not the same as 0