

## SQL Practical Questions

### Question 1

1.1 SELECT cit.client\_name,cot.department FROM 'Client Info Table' AS cit INNER JOIN 'Company Table' AS cot ON cit.client\_id==cot.client\_id;

1.2 LEFT JOIN

1.3.1 SELECT employee\_name , manager FROM employee\_table AS et RIGHT JOIN manager\_table AS mt WHERE et.manager\_id = mt.manager\_id

1.3.2 Pieter is the boss

### QUESTION 2

```
SELECT SUM(CASE WHEN S>0 THEN S ELSE 0 END) AS positive_sum,  
       SUM(CASE WHEN S<0 THEN S ELSE 0 END) AS negative_sum FROM Numbers
```

### Question 3

#### Identify duplicates

```
SELECT COUNT(*) FROM employee_table HAVING COUNT(*)>1
```

3.1 SELECT DISTINCT client\_name FROM employee\_table ORDER BY Age DESC LIMIT 2,1;

### Question 4

#### #Create Table1

```
CREATE TABLE Table1(  
    Model_id int auto_increment primary key,  
    Model varchar(255),  
    Make varchar(255),  
    Cost float,  
    Manufacture_Date)  
MAX_ROWS=5;
```

#### #Create Table 2

```
CREATE TABLE Table1(
```

```
Model_id int foreign key,  
Manufacturer varchar(255),  
Parts varchar(255),  
City varchar(100),  
Warranty_Expiry_Date date)  
MAX_ROWS=5;
```

### Question 5

5.1. SELECT Make, Model, Cost, Manufacture Date, Parts, Warranty\_Expiry\_Date INTO #temporary\_table FROM Table1,Table2;

5.12

We can solve this issue by first checking if the table exists before we can drop

To check the table we write this simple code

```
IF OBJECT_ID('tempdb..##temp','U') IS NOT NULL DROP TABLE ##temp
```

### Question 6

```
SELECT * FROM OPENQUERY('SELECT * FROM Vicidial.Users ')
```