

## 2814ICT – DATA MANAGEMENT 7003ICT – DATABASE DESIGN

School of Information & Communication Technology Trimester \_1\_, 202\_\_

# Assignment Part 2: Implementing a Database for Waremart

# ASSIGNMENT TITLE: Implementing a Database for Waremart

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## **Acknowledgements:**

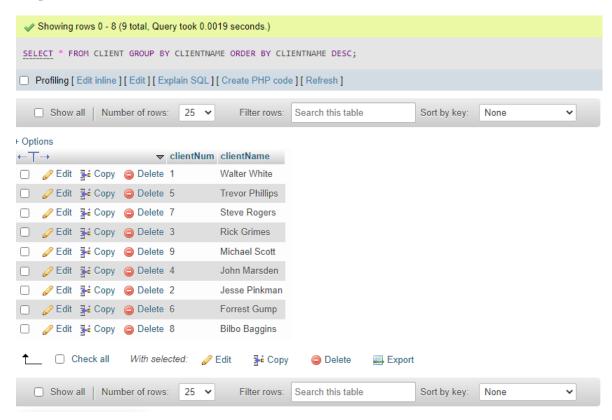
1Mohammad Awrangjeb 2) Harry Arnold

- 3) Nicolas Donaldson
- 4) Ethan Jones

## Reports on SQL Queries in Task 3

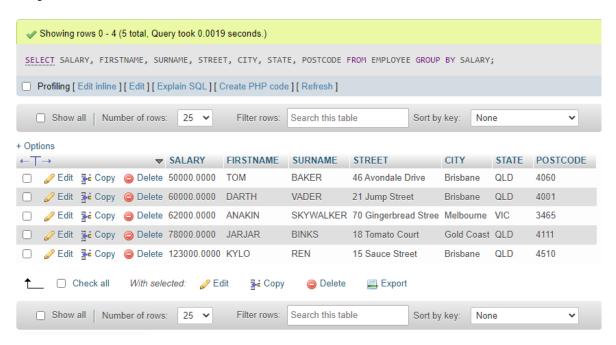
#### Query 1:

SELECT \*
FROM CLIENT
GROUP BY CLIENTNAME
ORDER BY CLIENTNAME DESC;



#### Query 2:

SELECT SALARY, FIRSTNAME, SURNAME, STREET, CITY, STATE, POSTCODE FROM EMPLOYEE GROUP BY SALARY;



#### Query 3:

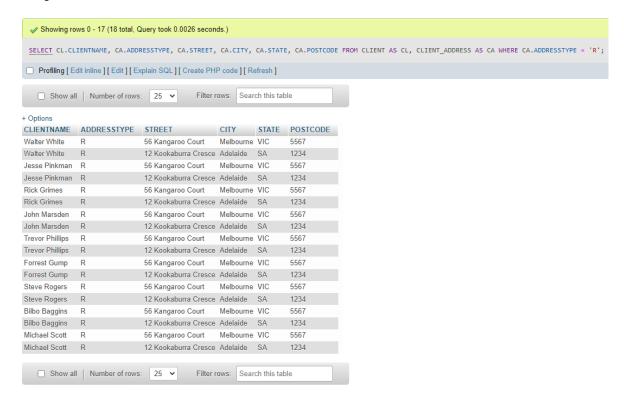
SELECT DATE\_FORMAT(REQUESTDATE, '%D/%M/%Y') FROM STOCK\_REQUEST ORDER BY REQUESTDATE LIMIT 0,1;

#### Output table:



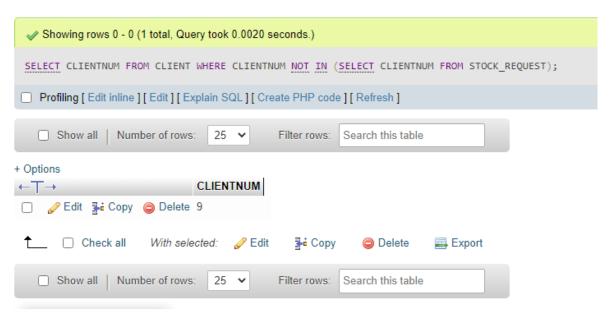
#### Query 4:

SELECT CL.CLIENTNAME, CA.ADDRESSTYPE, CA.STREET, CA.CITY, CA.STATE, CA.POSTCODE FROM CLIENT AS CL, CLIENT\_ADDRESS AS CA WHERE CA.ADDRESSTYPE = 'R';



## Query 5:

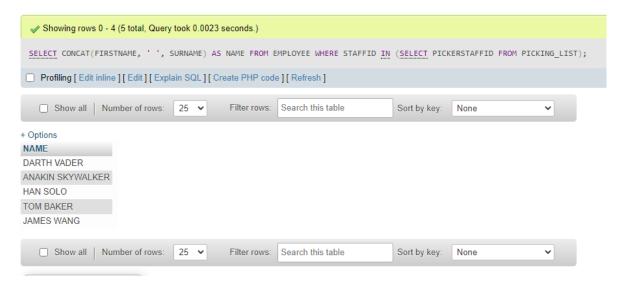
SELECT CLIENTNUM FROM CLIENT WHERE CLIENTNUM NOT IN (SELECT CLIENTNUM FROM STOCK\_REQUEST);



#### Query 6:

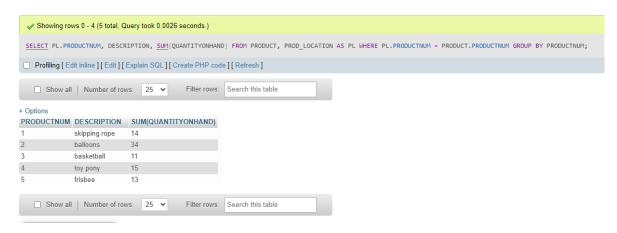
SELECT CONCAT(FIRSTNAME, ' ', SURNAME) AS NAME FROM EMPLOYEE WHERE STAFFID IN (SELECT PICKERSTAFFID FROM PICKING\_LIST);

#### Output table:



#### Query 7:

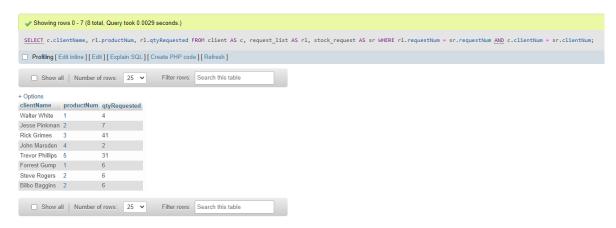
SELECT PL.PRODUCTNUM, DESCRIPTION, SUM(QUANTITYONHAND)
FROM PRODUCT, PROD\_LOCATION AS PL
WHERE PL.PRODUCTNUM = PRODUCT.PRODUCTNUM
GROUP BY PRODUCTNUM;



#### Query 8:

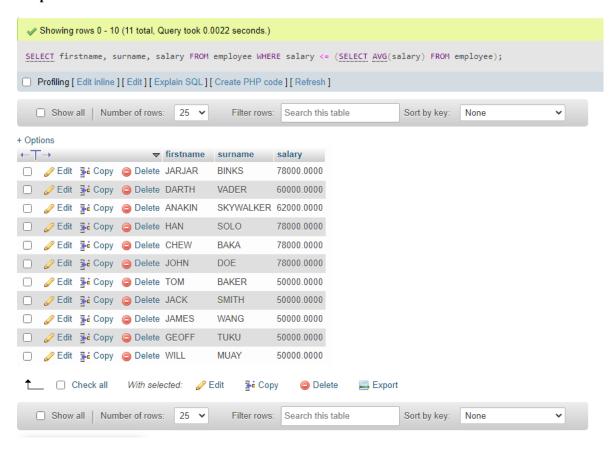
SELECT c.clientName, rl.productNum, rl.qtyRequested FROM client AS c, request\_list AS rl, stock\_request AS sr WHERE rl.requestNum = sr.requestNum AND c.clientNum = sr.clientNum;

#### Output table:



#### Query 9:

SELECT firstname, surname, salary FROM employee WHERE salary <= (SELECT AVG(salary) FROM employee);



## Query 10:

SELECT concat(firstname, surname), concat('\$',cast(salary\*1.075 as decimal(19,4))) as 'amended salary' FROM employee
WHERE salary <= (SELECT AVG(salary)
FROM employee);

