

Assignment Part 2: Implementing a Database for Waremart

ASSIGNMENT TITLE: Implementing a Database for Waremart

| | | |
|--|--|-------------------------------------|
| Group ID | <i>(ignore this if no Group ID assigned)</i> | |
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Table of Contents

Contents

Table of Contents 2

Acknowledgements: 2

Reports on SQL Queries in Task 3 3

Query 1: 3

Query 2: 4

Query 3: 5

Query 4: 5

Query 5: 6

Query 6: 7

Query 7: 7

Query 8: 8

Query 9: 8

Query 10: 9

Acknowledgements:

- 1) Mohammad 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;
```

Output table:

✓ Showing rows 0 - 8 (9 total, Query took 0.0019 seconds.)

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

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Options

| | | | | clientNum | clientName |
|--------------------------|------|------|--------|-----------|-----------------|
| <input type="checkbox"/> | Edit | Copy | Delete | 1 | Walter White |
| <input type="checkbox"/> | Edit | Copy | Delete | 5 | Trevor Phillips |
| <input type="checkbox"/> | Edit | Copy | Delete | 7 | Steve Rogers |
| <input type="checkbox"/> | Edit | Copy | Delete | 3 | Rick Grimes |
| <input type="checkbox"/> | Edit | Copy | Delete | 9 | Michael Scott |
| <input type="checkbox"/> | Edit | Copy | Delete | 4 | John Marsden |
| <input type="checkbox"/> | Edit | Copy | Delete | 2 | Jesse Pinkman |
| <input type="checkbox"/> | Edit | Copy | Delete | 6 | Forrest Gump |
| <input type="checkbox"/> | Edit | Copy | Delete | 8 | Bilbo Baggins |

☐ Check all | With selected: Edit Copy Delete Export

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Query 2:

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

Output table:

✓ Showing rows 0 - 4 (5 total. Query took 0.0019 seconds.)

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

☐ Profiling [\[Edit inline \]](#) [\[Edit \]](#) [\[Explain SQL \]](#) [\[Create PHP code \]](#) [\[Refresh \]](#)

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

+ Options

| | | | | SALARY | FIRSTNAME | SURNAME | STREET | CITY | STATE | POSTCODE |
|--------------------------|--|--|--|-------------|-----------|-----------|----------------------|------------|-------|----------|
| <input type="checkbox"/> | | | | 50000.0000 | TOM | BAKER | 46 Avondale Drive | Brisbane | QLD | 4060 |
| <input type="checkbox"/> | | | | 60000.0000 | DARTH | VADER | 21 Jump Street | Brisbane | QLD | 4001 |
| <input type="checkbox"/> | | | | 62000.0000 | ANAKIN | SKYWALKER | 70 Gingerbread Stree | Melbourne | VIC | 3465 |
| <input type="checkbox"/> | | | | 78000.0000 | JARJAR | BINKS | 18 Tomato Court | Gold Coast | QLD | 4111 |
| <input type="checkbox"/> | | | | 123000.0000 | KYLO | REN | 15 Sauce Street | Brisbane | QLD | 4510 |

☐ Check all | With selected: Edit Copy Delete Export

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Query 3:

```
SELECT DATE_FORMAT(REQUESTDATE, '%D/%M/%Y')
FROM STOCK_REQUEST
ORDER BY REQUESTDATE
LIMIT 0,1;
```

Output table:

✓ Showing rows 0 - 0 (1 total, Query took 0.0010 seconds.)

```
SELECT DATE_FORMAT(REQUESTDATE, '%D/%M/%Y') FROM STOCK_REQUEST ORDER BY REQUESTDATE LIMIT 0,1;
```

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[Options](#)

DATE_FORMAT(REQUESTDATE, '%D/%M/%Y')

19th/May/2022

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';
```

Output table:

✓ Showing rows 0 - 17 (18 total, Query took 0.0026 seconds.)

```
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';
```

☐ Profiling [\[Edit inline \]](#) [\[Edit \]](#) [\[Explain SQL \]](#) [\[Create PHP code \]](#) [\[Refresh \]](#)

☐ Show all | Number of rows: | Filter rows:

[+ Options](#)


| CLIENTNAME | ADDRESSTYPE | STREET | CITY | STATE | POSTCODE |
|-----------------|-------------|----------------------|-----------|-------|----------|
| Walter White | R | 56 Kangaroo Court | Melbourne | VIC | 5567 |
| Walter White | R | 12 Kookaburra Cresce | Adelaide | SA | 1234 |
| Jesse Pinkman | R | 56 Kangaroo Court | Melbourne | VIC | 5567 |
| Jesse Pinkman | R | 12 Kookaburra Cresce | Adelaide | SA | 1234 |
| Rick Grimes | R | 56 Kangaroo Court | Melbourne | VIC | 5567 |
| Rick Grimes | R | 12 Kookaburra Cresce | Adelaide | SA | 1234 |
| John Marsden | R | 56 Kangaroo Court | Melbourne | VIC | 5567 |
| John Marsden | R | 12 Kookaburra Cresce | Adelaide | SA | 1234 |
| Trevor Phillips | R | 56 Kangaroo Court | Melbourne | VIC | 5567 |
| Trevor Phillips | R | 12 Kookaburra Cresce | Adelaide | SA | 1234 |
| Forrest Gump | R | 56 Kangaroo Court | Melbourne | VIC | 5567 |
| Forrest Gump | R | 12 Kookaburra Cresce | Adelaide | SA | 1234 |
| Steve Rogers | R | 56 Kangaroo Court | Melbourne | VIC | 5567 |
| Steve Rogers | R | 12 Kookaburra Cresce | Adelaide | SA | 1234 |
| Bilbo Baggins | R | 56 Kangaroo Court | Melbourne | VIC | 5567 |
| Bilbo Baggins | R | 12 Kookaburra Cresce | Adelaide | SA | 1234 |
| Michael Scott | R | 56 Kangaroo Court | Melbourne | VIC | 5567 |
| Michael Scott | R | 12 Kookaburra Cresce | Adelaide | SA | 1234 |

☐ Show all | Number of rows: | Filter rows:

Query 5:


```
SELECT CLIENTNUM  
FROM CLIENT  
WHERE CLIENTNUM NOT IN  
(SELECT CLIENTNUM  
FROM STOCK_REQUEST);
```

Output table:



 Showing rows 0 - 0 (1 total, Query took 0.0020 seconds.)




```
SELECT CLIENTNUM FROM CLIENT WHERE CLIENTNUM NOT IN (SELECT CLIENTNUM FROM STOCK_REQUEST);
```






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+ Options

  CLIENTNUM

☐  Edit  Copy  Delete 9

 ☐ Check all With selected:  Edit  Copy  Delete  Export

☐ Show all | Number of rows: 25  Filter rows:

Query 6:

```
SELECT CONCAT(FIRSTNAME, ' ', SURNAME) AS NAME
FROM EMPLOYEE
WHERE STAFFID IN (SELECT PICKERSTAFFID FROM PICKING_LIST);
```

Output table:

✓ Showing rows 0 - 4 (5 total, Query took 0.0023 seconds.)

```
SELECT CONCAT(FIRSTNAME, ' ', SURNAME) AS NAME FROM EMPLOYEE WHERE STAFFID IN (SELECT PICKERSTAFFID FROM PICKING_LIST);
```

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☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

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| NAME |
|------------------|
| DARTH VADER |
| ANAKIN SKYWALKER |
| HAN SOLO |
| TOM BAKER |
| JAMES WANG |

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Query 7:

```
SELECT PL.PRODUCTNUM, DESCRIPTION, SUM(QUANTITYONHAND)
FROM PRODUCT, PROD_LOCATION AS PL
WHERE PL.PRODUCTNUM = PRODUCT.PRODUCTNUM
GROUP BY PRODUCTNUM;
```

Output table:

✓ Showing rows 0 - 4 (5 total, Query took 0.0026 seconds.)

```
SELECT PL.PRODUCTNUM, DESCRIPTION, SUM(QUANTITYONHAND) FROM PRODUCT, PROD_LOCATION AS PL WHERE PL.PRODUCTNUM = PRODUCT.PRODUCTNUM GROUP BY PRODUCTNUM;
```

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☐ Show all | Number of rows: 25 | Filter rows: Search this table

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| PRODUCTNUM | DESCRIPTION | SUM(QUANTITYONHAND) |
|------------|---------------|---------------------|
| 1 | skipping rope | 14 |
| 2 | balloons | 34 |
| 3 | basketball | 11 |
| 4 | toy pony | 15 |
| 5 | frisbee | 13 |

☐ Show all | Number of rows: 25 | Filter rows: Search this table

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:

Showing rows 0 - 7 (8 total, Query took 0.0029 seconds.)

```
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;
```

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all | Number of rows: 25 | Filter rows: Search this table

+ Options

| clientName | productNum | qtyRequested |
|-----------------|------------|--------------|
| Walter White | 1 | 4 |
| Jesse Pinkman | 2 | 7 |
| Rick Grimes | 3 | 41 |
| John Marsden | 4 | 2 |
| Trevor Phillips | 5 | 31 |
| Forrest Gump | 1 | 6 |
| Steve Rogers | 2 | 6 |
| Bilbo Baggins | 2 | 6 |

☐ Show all | Number of rows: 25 | Filter rows: Search this table

Query 9:

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

Output table:

Showing rows 0 - 10 (11 total, Query took 0.0022 seconds.)

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

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

+ Options

| | firstname | surname | salary |
|---|-----------|-----------|------------|
| <input type="checkbox"/> Edit Copy Delete | JARJAR | BINKS | 78000.0000 |
| <input type="checkbox"/> Edit Copy Delete | DARTH | VADER | 60000.0000 |
| <input type="checkbox"/> Edit Copy Delete | ANAKIN | SKYWALKER | 62000.0000 |
| <input type="checkbox"/> Edit Copy Delete | HAN | SOLO | 78000.0000 |
| <input type="checkbox"/> Edit Copy Delete | CHEW | BAKA | 78000.0000 |
| <input type="checkbox"/> Edit Copy Delete | JOHN | DOE | 78000.0000 |
| <input type="checkbox"/> Edit Copy Delete | TOM | BAKER | 50000.0000 |
| <input type="checkbox"/> Edit Copy Delete | JACK | SMITH | 50000.0000 |
| <input type="checkbox"/> Edit Copy Delete | JAMES | WANG | 50000.0000 |
| <input type="checkbox"/> Edit Copy Delete | GEOFF | TUKU | 50000.0000 |
| <input type="checkbox"/> Edit Copy Delete | WILL | MUAY | 50000.0000 |

☐ Check all | With selected: Edit Copy Delete Export

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

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);
```

Output table:

Showing rows 0 - 10 (11 total, Query took 0.0027 seconds.)

```
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);
```

☐ Profiling [\[Edit inline \]](#) [\[Edit \]](#) [\[Explain SQL \]](#) [\[Create PHP code \]](#) [\[Refresh \]](#)

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

+ Options

| concat(firstname, surname) | amended salary |
|----------------------------|----------------|
| JARJARBINKS | \$83850.0000 |
| DARTHVADER | \$64500.0000 |
| ANAKINSKYWALKER | \$66650.0000 |
| HANSOLO | \$83850.0000 |
| CHEWBAKA | \$83850.0000 |
| JOHNDOE | \$83850.0000 |
| TOMBAKER | \$53750.0000 |
| JACKSMITH | \$53750.0000 |
| JAMESWANG | \$53750.0000 |
| GEOFTUKU | \$53750.0000 |
| WILLMUAY | \$53750.0000 |

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None