



TatvaSoft
sculpting thoughts...

TatvaSoft

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Technology : .PHP

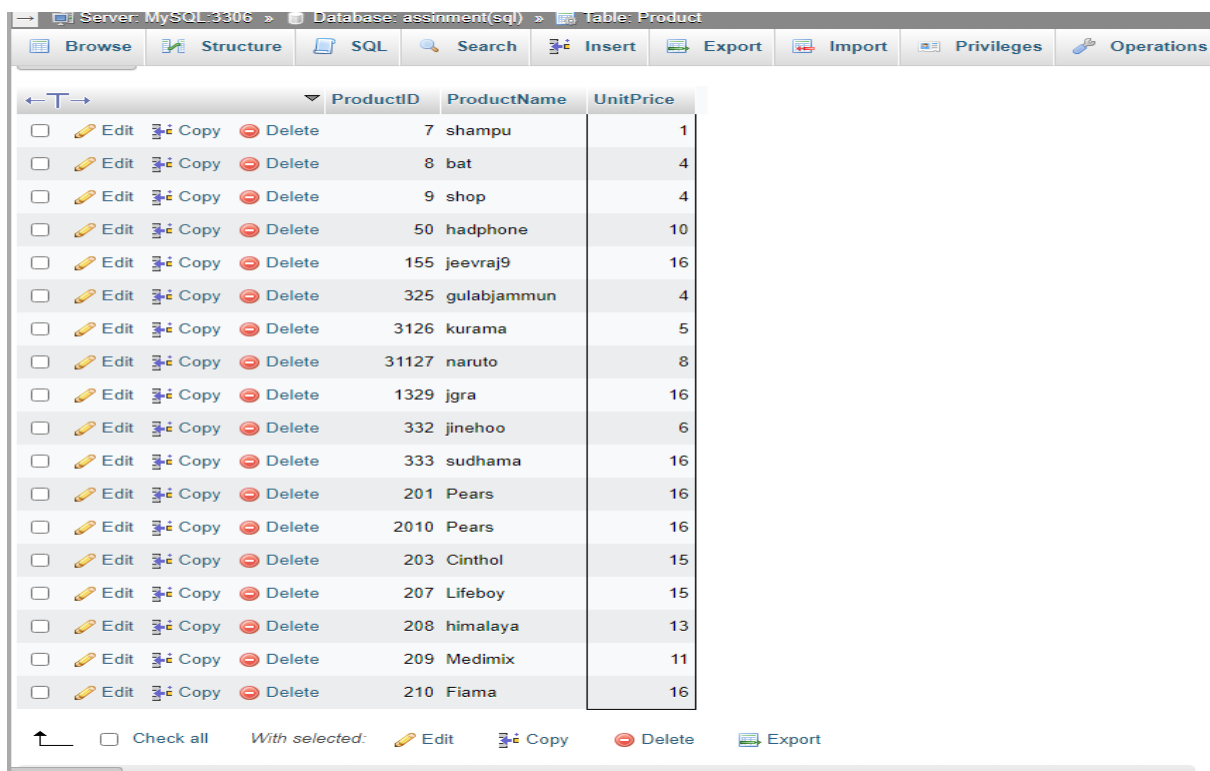
Assignment 1 : Simple SQL Query with a single table with where clause

Northwind database

Sample table :Products

- ProductID
- ProductName
- SupplierID
- CategoryID
- QuantityPerUnit
- UnitPrice
- UnitsInStock
- UnitsOnOrder
- ReorderLevel
- Discontinued

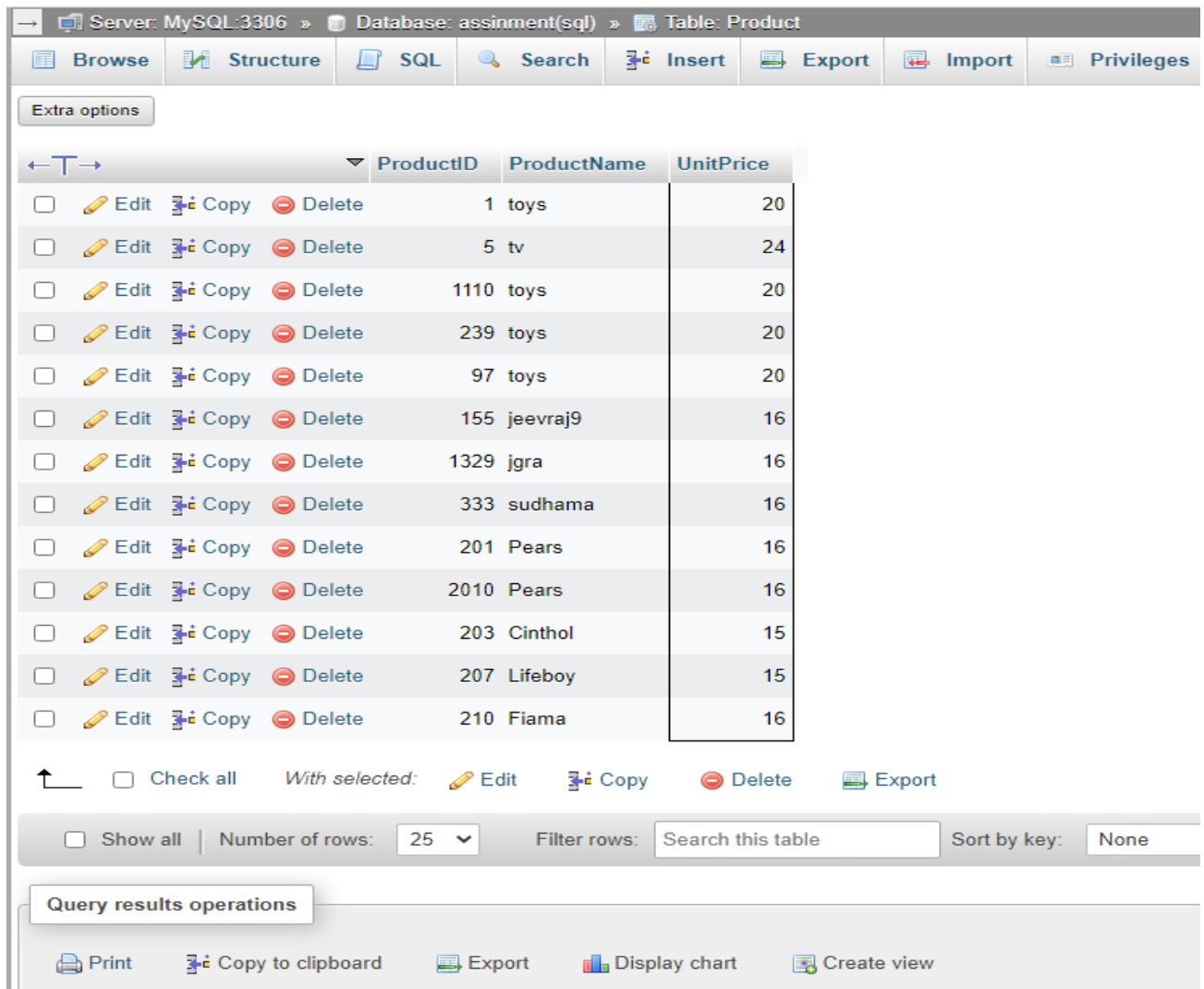
1. Write a query to get a Product list (id, name, unit price) where current products cost less than \$20.



The screenshot shows the MySQL Workbench interface with the 'Product' table selected. The table contains 20 rows of data. The columns are ProductID, ProductName, and UnitPrice. The data is as follows:

ProductID	ProductName	UnitPrice
7	shampu	1
8	bat	4
9	shop	4
50	hadphone	10
155	jeevraj9	16
325	gulabjammun	4
3126	kurama	5
31127	naruto	8
1329	jgra	16
332	jinehoo	6
333	sudhama	16
201	Pears	16
2010	Pears	16
203	Cinthol	15
207	Lifeboy	15
208	himalaya	13
209	Medimix	11
210	Fiama	16

2. Write a query to get Product list (id, name, unit price) where products cost between \$15 and \$25



The screenshot shows the MySQL Workbench interface with the 'Product' table selected. The table has three columns: ProductID, ProductName, and UnitPrice. The data is displayed in a grid with 13 rows. Each row has a checkbox, an 'Edit' button, a 'Copy' button, and a 'Delete' button. Below the table, there are controls for 'Check all', 'With selected', and 'Export'. At the bottom, there are options for 'Show all', 'Number of rows' (set to 25), 'Filter rows' (with a search box), and 'Sort by key' (set to None). The 'Query results operations' section at the very bottom includes buttons for 'Print', 'Copy to clipboard', 'Export', 'Display chart', and 'Create view'.

	ProductID	ProductName	UnitPrice
<input type="checkbox"/> Edit Copy Delete	1	toys	20
<input type="checkbox"/> Edit Copy Delete	5	tv	24
<input type="checkbox"/> Edit Copy Delete	1110	toys	20
<input type="checkbox"/> Edit Copy Delete	239	toys	20
<input type="checkbox"/> Edit Copy Delete	97	toys	20
<input type="checkbox"/> Edit Copy Delete	155	jeevraj9	16
<input type="checkbox"/> Edit Copy Delete	1329	jgra	16
<input type="checkbox"/> Edit Copy Delete	333	sudhama	16
<input type="checkbox"/> Edit Copy Delete	201	Pears	16
<input type="checkbox"/> Edit Copy Delete	2010	Pears	16
<input type="checkbox"/> Edit Copy Delete	203	Cinthol	15
<input type="checkbox"/> Edit Copy Delete	207	Lifeboy	15
<input type="checkbox"/> Edit Copy Delete	210	Fiama	16

3. Write a query to get Product list (name, unit price) of above average price.

Server: MySQL:3306 » Database: assnment(sql) » Table: Product

Browse Structure SQL Search Insert Export Import Privileges Operations

Show query box

Showing rows 0 - 4 (5 total, Query took 0.0012 seconds.)

```
SELECT Productname, unitprice FROM Product WHERE unitprice > (SELECT AVG(unitprice) FROM Product);
```

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

Extra options

	Productname	unitprice
<input type="checkbox"/> Edit Copy Delete	tablet	4999
<input type="checkbox"/> Edit Copy Delete	laptop	10400
<input type="checkbox"/> Edit Copy Delete	sim-card	450
<input type="checkbox"/> Edit Copy Delete	keybord	550
<input type="checkbox"/> Edit Copy Delete	watch	450

Check all | With selected: Edit Copy Delete Export

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

Query results operations

Print Copy to clipboard Export Display chart Create view

Console

4. Write a query to get Product list (name, unit price) of ten most expensive products

Server: MySQL:3306 » Database: assnment(sql) » Table: Product

Browse Structure SQL Search Insert Export Import Privileges Operations Trigger

Show query box

Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.

Showing rows 0 - 2 (3 total, Query took 0.0006 seconds.)

```
SELECT Count(ProductName) FROM Product GROUP BY Discontinued;
```

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

Extra options

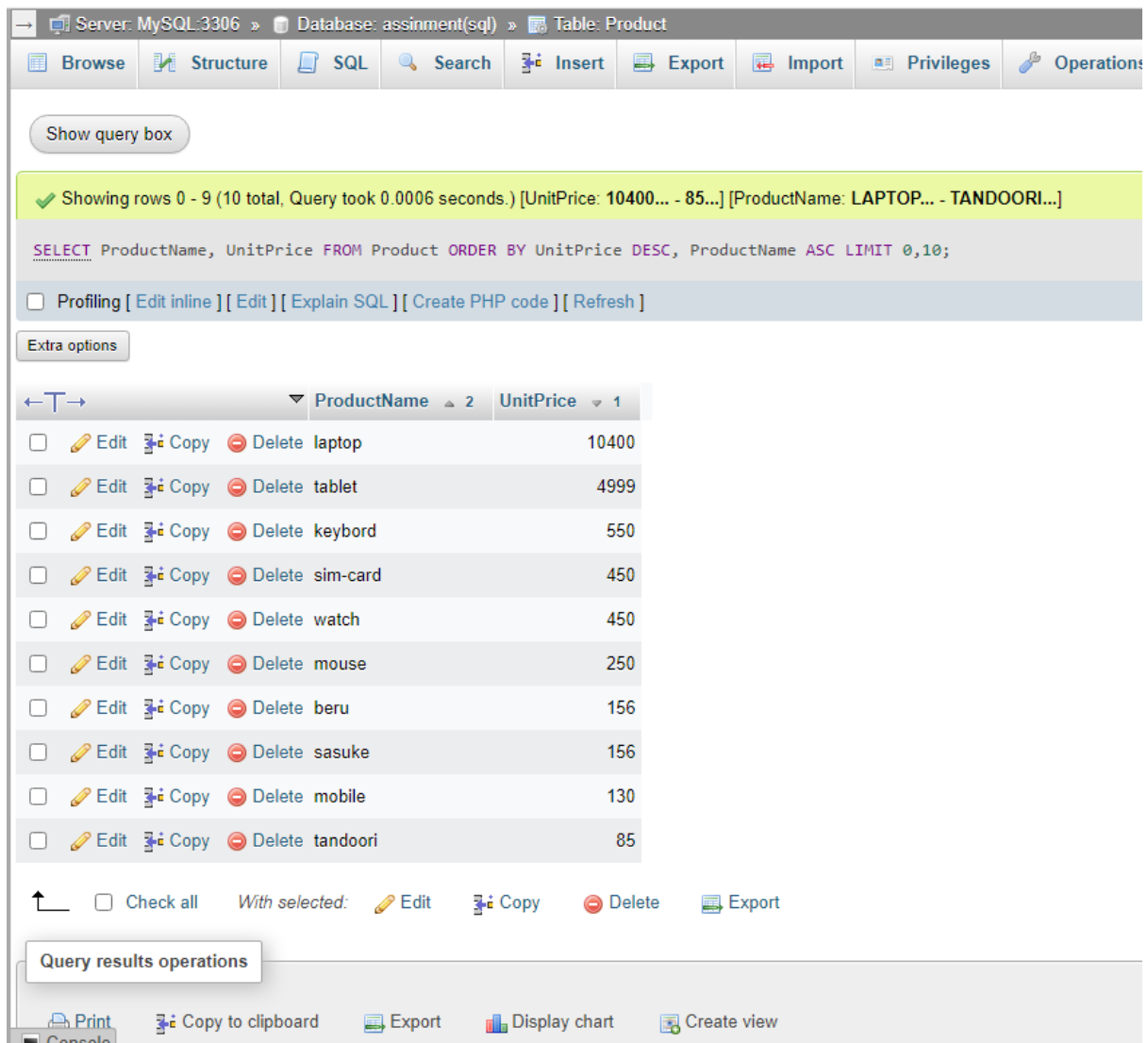
Count(ProductName)
36
1
8

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

Query results operations

Print Copy to clipboard Export Display chart Create view

5. Write a query to count current and discontinued products



The screenshot shows the MySQL Workbench interface. At the top, the server is MySQL-3306, the database is assiment(sql), and the table is Product. The query box contains the following SQL query:

```
SELECT ProductName, UnitPrice FROM Product ORDER BY UnitPrice DESC, ProductName ASC LIMIT 0,10;
```

The query results are displayed in a table with 10 rows. The columns are ProductName and UnitPrice. The products are listed in descending order of UnitPrice.

ProductName	UnitPrice
laptop	10400
tablet	4999
keybord	550
sim-card	450
watch	450
mouse	250
beru	156
sasuke	156
mobile	130
tandoori	85

Below the table, there are buttons for 'Check all', 'With selected', 'Edit', 'Copy', 'Delete', and 'Export'. At the bottom, there are buttons for 'Print', 'Copy to clipboard', 'Export', 'Display chart', and 'Create view'.

6. Write a query to get Product list (name, units on order , units in stock) of stock is less than the quantity on order.

Server: MySQL:3306 » Database: assinetment(sql) » Table: Product

Browse

Structure

SQL

Search

Insert

Export

Import

Privileges

Operations

Triggers

Show query box

Showing rows 0 - 10 (11 total, Query took 0.0007 seconds.)

SELECT ProductName, UnitsOnOrder , UnitsInStock FROM Product WHERE (((Discontinued)=False) AND ((UnitsInStock)<UnitsOnOrder));

☐ 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

Extra options

← T →

▼ ProductName

UnitsOnOrder

UnitsInStock

<input type="checkbox"/>	Edit Copy Delete banana	12	8
<input type="checkbox"/>	Edit Copy Delete shop	87	25
<input type="checkbox"/>	Edit Copy Delete sim-card	9	8
<input type="checkbox"/>	Edit Copy Delete bottle	15	8
<input type="checkbox"/>	Edit Copy Delete watch	21	11
<input type="checkbox"/>	Edit Copy Delete kurama	272	34
<input type="checkbox"/>	Edit Copy Delete naruto	422	34
<input type="checkbox"/>	Edit Copy Delete jgra	122	34
<input type="checkbox"/>	Edit Copy Delete sikigami	282	34
<input type="checkbox"/>	Edit Copy Delete Nivea	89	47
<input type="checkbox"/>	Edit Copy Delete Fiama	51	30

↑

Check all

With selected:

Edit

Copy

Delete

Export

Console