

Implementation in MySQL

Group 16

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Percentage of Effort Contributed by Student 1: 50%

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Submission Date: 03/19/2023

Some of the SQL Queries

Query 1 : Selecting those product no and name with seller name which were delivered by courier

The screenshot shows a SQL query editor with the following query:

```
1 /*Query1 : Selecting those product no and name with seller name which were delivered bu courier */
2 • SELECT P.ProdNo, P.ProdName, U.FirstName, U.LastName
3 FROM Product P, user U
4 WHERE OrderID IN (
5     SELECT COrderNo
6     FROM Courier);
```

Below the query editor is a "Result Grid" showing the results of the query. The grid has four columns: ProdNo, ProdName, FirstName, and LastName. The results are as follows:

	ProdNo	ProdName	FirstName	LastName
▶	87	Diningtable	Melisande	Tesauro
	55	Book	Melisande	Tesauro
	21	Waterfilter	Melisande	Tesauro
	112	Diningtable	Melisande	Tesauro
	9	Book	Melisande	Tesauro
	100	Light	Melisande	Tesauro
	2	Bag	Melisande	Tesauro
	4	Chair	Melisande	Tesauro
	96	TV	Melisande	Tesauro

The interface includes a toolbar at the top with icons for file operations, a "Limit to 1000 rows" dropdown, and a "Result Grid" button on the right. The "Result Grid" button is highlighted in blue.

Query 2 : User's name who are both buyer and seller

The screenshot shows a SQL query editor with the following query:

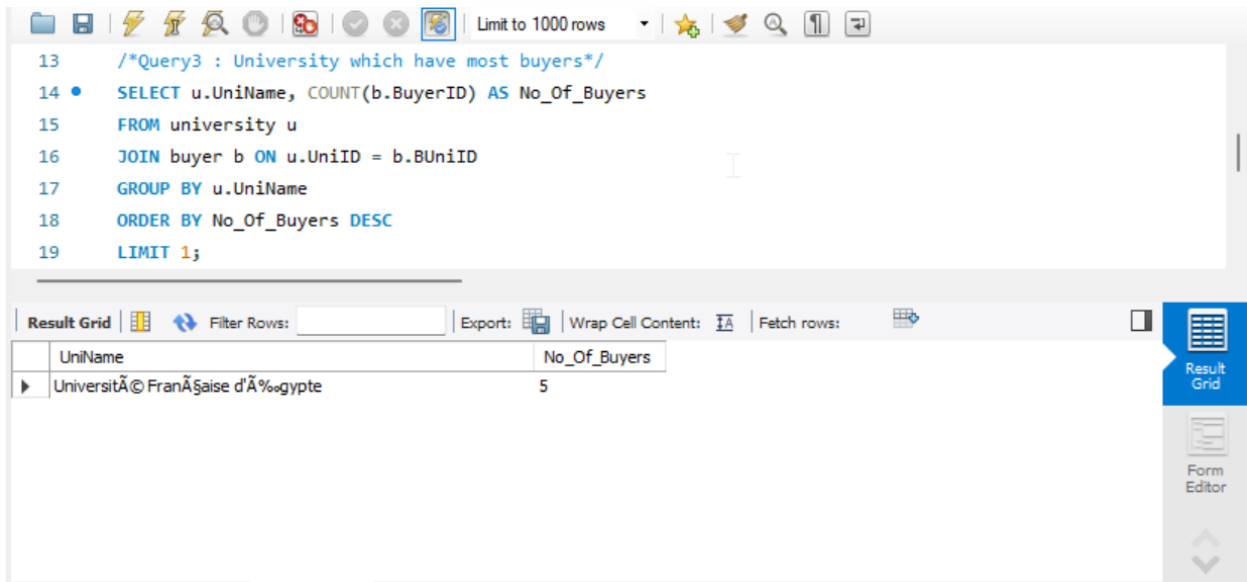
```
7
8 /*Query2 : User's name who are both buyer and seller*/
9 • SELECT FirstName, LastName
10 FROM user
11 WHERE UserID in (SELECT SellerID FROM seller) AND UserID in (SELECT BuyerID FROM buyer);
12
```

Below the query editor is a "Result Grid" showing the results of the query. The grid has two columns: FirstName and LastName. The results are as follows:

	FirstName	LastName
▶	Bernie	Nolda
	Alma	Huguet
	Gayle	Caramuscia
	Tami	Yemm
	Sollie	Lorain
	Abbe	Bette
	Tierney	Airton
	Tamarra	Torre
	Titos	Hatherleigh

The interface includes a toolbar at the top with icons for file operations, a "Limit to 1000 rows" dropdown, and a "Result Grid" button on the right. The "Result Grid" button is highlighted in blue.

Query 3 : University which have most buyers



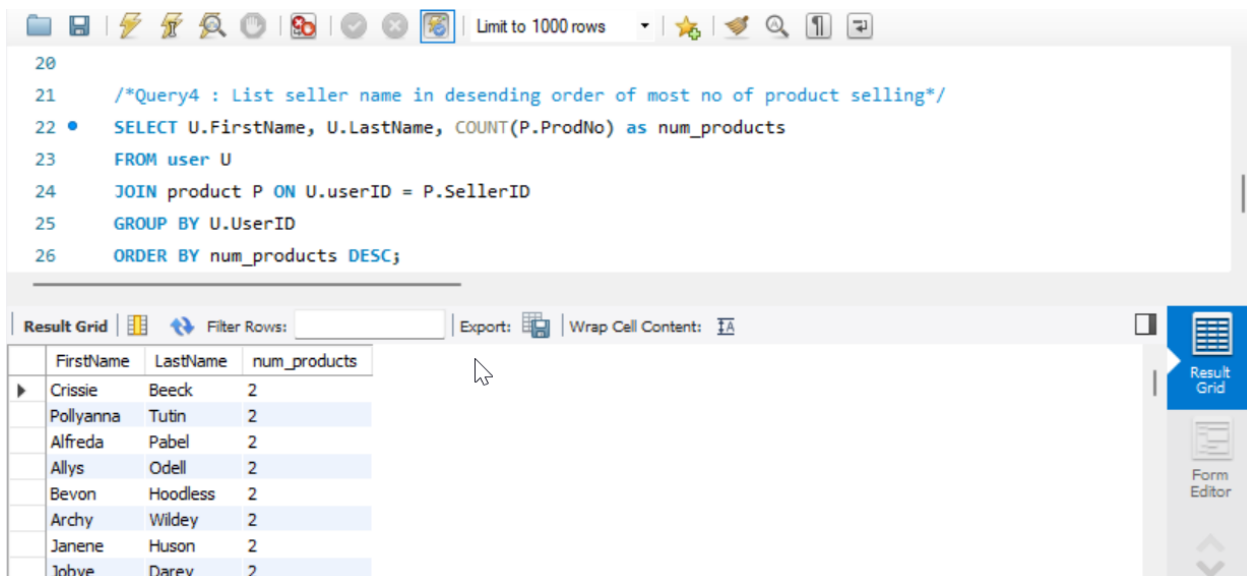
```
13 /*Query3 : University which have most buyers*/
14 • SELECT u.UniName, COUNT(b.BuyerID) AS No_Of_Buyers
15 FROM university u
16 JOIN buyer b ON u.UniID = b.BUniID
17 GROUP BY u.UniName
18 ORDER BY No_Of_Buyers DESC
19 LIMIT 1;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: | Fetch rows:

UniName	No_Of_Buyers
Universit�� Fran��saise d'��gypte	5

Result Grid
Form Editor

Query 4 : List seller name in descending order of most no of product selling



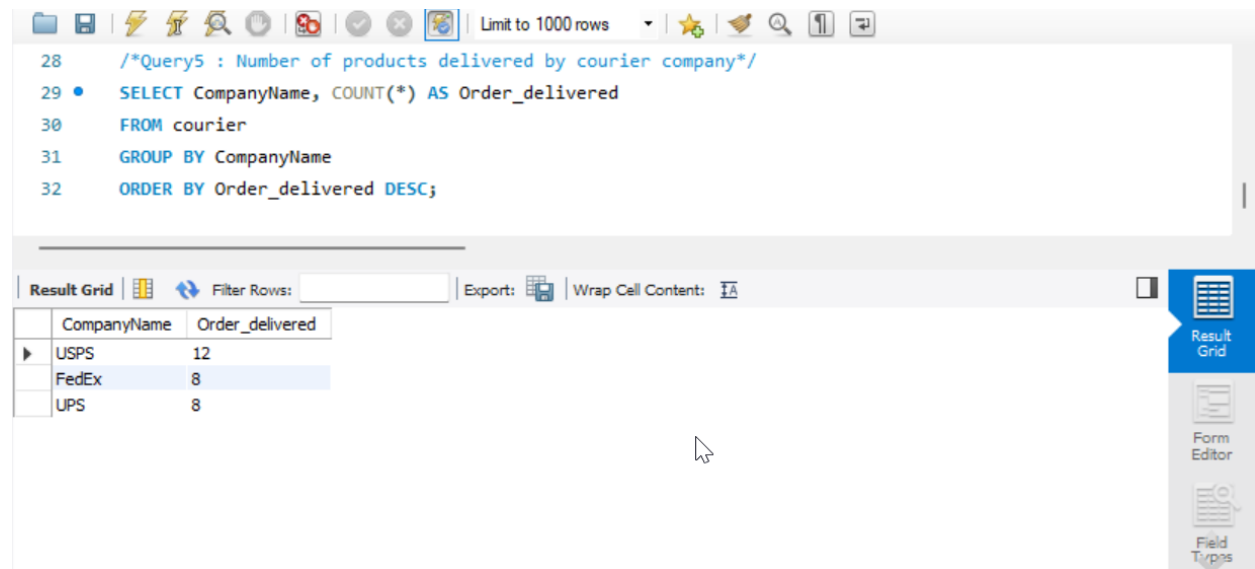
```
20
21 /*Query4 : List seller name in descending order of most no of product selling*/
22 • SELECT U.FirstName, U.LastName, COUNT(P.ProdNo) as num_products
23 FROM user U
24 JOIN product P ON U.userID = P.SellerID
25 GROUP BY U.UserID
26 ORDER BY num_products DESC;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: | Fetch rows:

FirstName	LastName	num_products
Crissie	Beeck	2
Pollyanna	Tutin	2
Alfreda	Pabel	2
Allys	Odell	2
Bevon	Hoodless	2
Archy	Willey	2
Janene	Huson	2
Jobye	Darey	2

Result Grid
Form Editor

Query 5 : Number of products delivered by courier company



The screenshot shows a database query editor interface. At the top, there is a toolbar with various icons for file operations, execution, and navigation. Below the toolbar, a text area contains a SQL query. The query is as follows:

```
28  /*Query5 : Number of products delivered by courier company*/  
29  •  SELECT CompanyName, COUNT(*) AS Order_delivered  
30     FROM courier  
31     GROUP BY CompanyName  
32     ORDER BY Order_delivered DESC;
```

Below the query editor, there is a section for the results. It includes a "Result Grid" button, a "Filter Rows" input field, and an "Export" button. The results are displayed in a table with two columns: "CompanyName" and "Order_delivered". The table contains three rows of data:

CompanyName	Order_delivered
USPS	12
FedEx	8
UPS	8

On the right side of the interface, there is a vertical toolbar with buttons for "Result Grid", "Form Editor", and "Field Types".