

**Write a SQL query to display the contents of the view VendorContractView:  
Column names:**

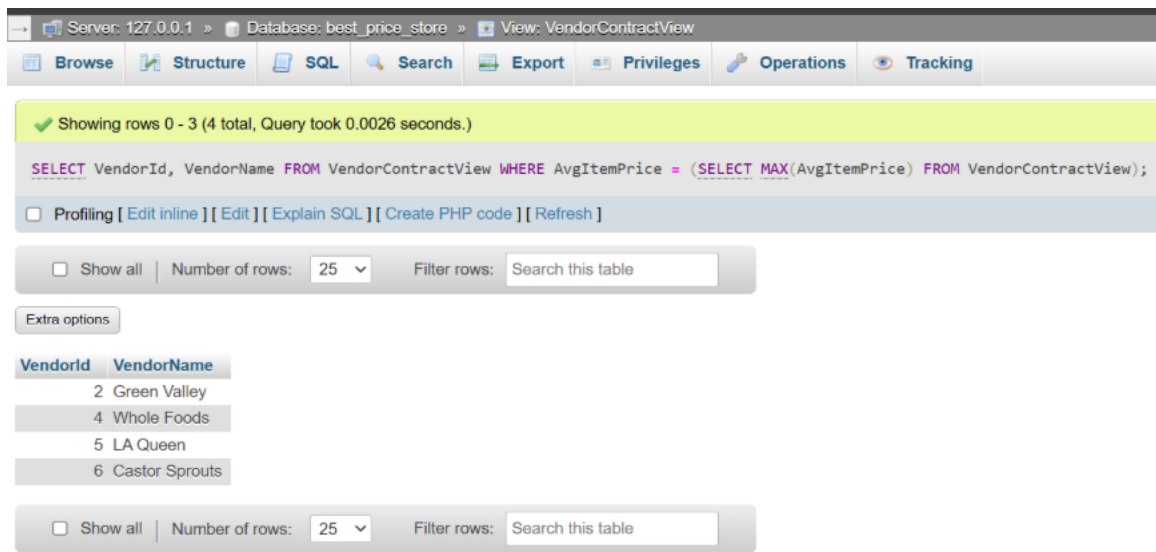
**VendorId   VendorName   ContractCount   AvgItemPrice**

```
CREATE VIEW VendorContractView AS
SELECT
    v.vId AS VendorId,
    v.Vname AS VendorName,
    COUNT(DISTINCT c.ctId) AS ContractCount,
    ROUND(AVG(vi.Vprice)) AS AvgItemPrice
FROM VENDOR v
LEFT JOIN CONTRACT c ON v.vId = c.vId
LEFT JOIN VENDOR_ITEM vi ON v.vId = vi.vId
GROUP BY v.vId, v.Vname;
```

**QV1 Use VendorContractView to retrieve a list of all records where each record is  
comprised of the vendor Id, vendor name with the maximum average price of Items  
Column names:**

**VendorId   VendorName**

```
SELECT VendorId, VendorName
FROM VendorContractView
WHERE AvgItemPrice = (SELECT MAX(AvgItemPrice) FROM VendorContractView);
```



Server: 127.0.0.1 » Database: best\_price\_store » View: VendorContractView

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Showing rows 0 - 3 (4 total, Query took 0.0026 seconds.)

```
SELECT VendorId, VendorName FROM VendorContractView WHERE AvgItemPrice = (SELECT MAX(AvgItemPrice) FROM VendorContractView);
```

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

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

Extra options

VendorId	VendorName
2	Green Valley
4	Whole Foods
5	LA Queen
6	Castor Sprouts

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

**QV2 Use VendorContractView to retrieve a list of records where each record is comprised of the vendor name, the total number of contracts, and the average price of Items for all vendors.**

**Column names:**

**VendorName    ContractCount    AvgItemPrice**

```
SELECT VendorName, ContractCount, AvgItemPrice
FROM VendorContractView;
```

Showing rows 0 - 5 (6 total, Query took 0.0008 seconds.)

```
SELECT VendorName, ContractCount, AvgItemPrice FROM VendorContractView;
```

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

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

Extra options

VendorName	ContractCount	AvgItemPrice
Organic Nature	0	2
Green Valley	4	3
Green Mountains	1	2
Whole Foods	2	3
LA Queen	5	3
Castor Sprouts	0	3

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

Query results operations

Console

**QV3 Use the view VendorContractView to generate the min, max and average contacts by all the vendors in the VendorContractView**

**Column names:**

**MinContracts    MaxContracts    AvgContracts**

```
SELECT
    MIN(ContractCount) AS MinContracts,
    MAX(ContractCount) AS MaxContracts,
    AVG(ContractCount) AS AvgContracts
FROM VendorContractView;
```

Server: 127.0.0.1 » Database: best\_price\_store » View: VendorContractView

Browse Structure SQL Search Export Privileges Operations Tracking

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

```
SELECT MIN(ContractCount) AS MinContracts, MAX(ContractCount) AS MaxContracts, AVG(ContractCount) AS AvgContracts FROM VendorContractView;
```

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

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

Extra options

MinContracts	MaxContracts	AvgContracts
0	5	2.0000

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

Query results operations

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Bookmark this SQL query

Console

**QV4 Use the VendorContractView to retrieve a list of records with the vendor name and the number of contracts for each vendor, sorted by the number of contracts in descending order.**

**Column Names:**

**VendorName    ContractCount**

```
SELECT VendorName, ContractCount
FROM VendorContractView
ORDER BY ContractCount DESC;
```

Server: 127.0.0.1 » Database: best\_price\_store » View: VendorContractView

Browse Structure SQL Search Export Privileges Operations Tracking

Showing rows 0 - 5 (6 total, Query took 0.0008 seconds.) [ContractCount: 5... - 0...]

```
SELECT VendorName, ContractCount FROM VendorContractView ORDER BY ContractCount DESC;
```

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

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

Extra options

VendorName	ContractCount
LA Queen	5
Green Valley	4
Whole Foods	2
Green Mountains	1
Organic Nature	0
Castor Sprouts	0

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

Query results operations

Console

**QV5 Use the view VendorContractView to retrieve the total number of vendors, the total number of contracts, and the average price of items supplied by the vendors.**

**Column names:**

**TotalVendors      TotalContracts      AvgItemPrice**

```
SELECT
    COUNT(VendorId) AS TotalVendors,
    SUM(ContractCount) AS TotalContracts,
    ROUND(AVG(AvgItemPrice)) AS AvgItemPrice
FROM VendorContractView;
```

**Here, the AvgItemPrice was rounded from 2.67 to 3**

The screenshot shows a database management interface with a toolbar at the top containing icons for Browse, Structure, SQL, Search, Export, Privileges, Operations, and Tracking. Below the toolbar, a green message bar states "Your SQL query has been executed successfully." The SQL query is displayed in a text area: `SELECT COUNT(VendorId) AS TotalVendors, SUM(ContractCount) AS TotalContracts, ROUND(AVG(AvgItemPrice)) AS AvgItemPrice FROM VendorContractView;`. Below the query, there are links for Profiling, Edit inline, Edit, Explain SQL, Create PHP code, and Refresh. A button labeled "Extra options" is also present. The query results are shown in a table with three columns: TotalVendors, TotalContracts, and AvgItemPrice. The values are 6, 12, and 3 respectively. At the bottom, there is a button labeled "Query results operations".

TotalVendors	TotalContracts	AvgItemPrice
6	12	3