





```

118     using (productKey);
119
120 •   select * from sales;
121
122 •   select * from sales_product;
123 •   select * from sales_product_cat;
124 •   select * from sales_state;
125   #using inner join

```

Result Grid			Filter Rows:	<input type="text"/>	Export:		Wrap Cell Content:	
	StateID	State	Capital	Zone				
▶	1	Abia	Umuahia	South East				
	2	Adamawa	Yola	North East				
	3	Akwa Ibom	Uyo	South South				
	4	Anambra	Awka	South East				
	5	Bauchi	Bauchi	North East				
	6	Bayelsa	Yenagoa	South South				

sales\_state41 ×

## Output

#### Action Output


#	Time	Action	Message	Duration / Fetch
39	12:50:39	select s.StateID, s.orderid, ss.State, round(sum(price *orderqty)-(unitcost*CostofSales),1)as ...	37 row(s) returned	0.437 sec / 0.000 sec
40	12:51:56	select s.StateID, s.orderid, ss.State, round(sum(price *orderqty)-(unitcost*CostofSales),1)as ...	37 row(s) returned	0.469 sec / 0.000 sec
41	12:53:17	select * from sales LIMIT 0, 1000	1000 row(s) returned	0.016 sec / 0.015 sec
42	12:54:01	select * from sales_product LIMIT 0, 1000	1000 row(s) returned	0.000 sec / 0.016 sec
43	12:54:38	select * from sales_product_cat LIMIT 0, 1000	22 row(s) returned	0.000 sec / 0.000 sec
44	12:55:05	select * from sales_state LIMIT 0, 1000	37 row(s) returned	0.000 sec / 0.000 sec

having sql function\* inner join\* × SQL File 4

```
117     inner join sales
118     using (productKey);
119
120 •   select * from sales;
121
122 •   select * from sales_product;
123 •   select * from sales_product_cat;
124 •   select * from sales state;
```

Result Grid Filter Rows: Export: Wrap Cell Content:

	ProductSubCategoryKey	ProductSubCategory	ProductCategory
▶	1	Digital SLR Cameras	Cameras and camcorders
	2	MP4&MP3	Audio
	3	Movie DVD	Music, Movies and Audio Books
	4	Bluetooth Headphones	Audio
	5	Car Video	TV and Video
	6	Laptops	Computers

sales\_product\_cat40 

Read Only

#### Action Output

#	Time	Action	Message	Duration / Fetch
38	12:49:37	select state, capital,zone, price, orderqty from sales_state inner join sales using (stateid) LI...	1000 row(s) returned	0.000 sec / 0.015 sec
39	12:50:39	select s.StateID, s.orderid, ss.State, round(sum(price *orderqty)-(unitcost*CostofSales),1)as ...	37 row(s) returned	0.437 sec / 0.000 sec
40	12:51:56	select s.StateID, s.orderid, ss.State, round(sum(price *orderqty)-(unitcost*CostofSales),1)as ...	37 row(s) returned	0.469 sec / 0.000 sec
41	12:53:17	select * from sales LIMIT 0, 1000	1000 row(s) returned	0.016 sec / 0.015 sec
42	12:54:01	select * from sales_product LIMIT 0, 1000	1000 row(s) returned	0.000 sec / 0.016 sec
43	12:54:38	select * from sales_product_cat LIMIT 0, 1000	22 row(s) returned	0.000 sec / 0.000 sec

## SCHEMAS

- ▶ dataleum
- ▼ dataleum
  - ▶ Tables
  - ▶ Views
  - ▶ Stored Procedures
  - ▶ Functions
- ▶ sakila
- ▶ salary\_data
- ▶ sql\_intro
- ▶ sql\_joins
- ▶ student
- ▶ sys
- ▶ world

Information

No object selected

Object Info Session



12:54 PM  
5/22/2023



```
117     inner join sales
118     using (productKey);
119
120 •   select * from sales;
121
122 •   select * from sales_product;
123 •   select * from sales_product_cat;
124 •   select * from sales state;
```

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

	ProductKey	ProductName	Manufacturer	BrandName
▶	1	Contoso 512MB MP3 Player E51 Silver	Contoso, Ltd	Contoso
	2	Contoso 512MB MP3 Player E51 Blue	Contoso, Ltd	Contoso
	3	Contoso 1G MP3 Player E100 White	Contoso, Ltd	Contoso
	4	Contoso 2G MP3 Player E200 Silver	Contoso, Ltd	Contoso
	5	Contoso 2G MP3 Player E200 Red	Contoso, Ltd	Contoso
	6	Contoso 2G MP3 Player E200 Black	Contoso, Ltd	Contoso

sales\_product39 x

## Output

 Action Output

#	Time	Action	Message	Duration / Fetch
37	12:48:14	select s.StateID, s.orderid, ss.State, round(sum(price *orderqty)-(unitcost*CostofSales),1)as ...	37 row(s) returned	0.547 sec / 0.000 sec
38	12:49:37	select state, capital,zone, price, orderqty from sales_state inner join sales using (stateid) LI...	1000 row(s) returned	0.000 sec / 0.015 sec
39	12:50:39	select s.StateID, s.orderid, ss.State, round(sum(price *orderqty)-(unitcost*CostofSales),1)as ...	37 row(s) returned	0.437 sec / 0.000 sec
40	12:51:56	select s.StateID, s.orderid, ss.State, round(sum(price *orderqty)-(unitcost*CostofSales),1)as ...	37 row(s) returned	0.469 sec / 0.000 sec
41	12:53:17	select * from sales LIMIT 0, 1000	1000 row(s) returned	0.016 sec / 0.015 sec
42	12:54:01	select * from sales_product LIMIT 0, 1000	1000 row(s) returned	0.000 sec / 0.016 sec

 Read Only

The screenshot shows the 'Data' tab of the 'Table' tool. The 'Limit to 1000 rows' dropdown menu is open, displaying a list of options: 'All rows', 'First 100 rows', 'First 200 rows', 'First 500 rows', 'First 1000 rows', 'Last 100 rows', 'Last 200 rows', 'Last 500 rows', 'Last 1000 rows', and 'Random 1000 rows'. The 'First 1000 rows' option is highlighted.

```
26 # using wildcard
27 • select * from sales_product where BrandName = "contoso";
28
29 • select*from sales_product where brandname like "Conto%";
30
31 • select*from sales_product where brandname like "L%";
32
33 • select * from sales_product where brandname in ("Litware","Proseware");
```

Result Grid   Filter Rows:  Export:  Wrap Cell Content: 

	ProductKey	ProductName	Manufacturer	BrandName
▶	1	Contoso 512MB MP3 Player E51 Silver	Contoso, Ltd	Contoso
	2	Contoso 512MB MP3 Player E51 Blue	Contoso, Ltd	Contoso
	3	Contoso 1G MP3 Player E100 White	Contoso, Ltd	Contoso
	4	Contoso 2G MP3 Player E200 Silver	Contoso, Ltd	Contoso
	5	Contoso 2G MP3 Player E200 Red	Contoso, Ltd	Contoso
	6	Contoso 2G MP3 Player E200 Black	Contoso, Ltd	Contoso

sales\_product7 x

## Output

 Action Output

#	Time	Action	Message	Duration / Fetch
48	12:58:01	select price,OrderQty,unitcost, case when StateID = 1 then "Adamawa" when stateid = 2 t...	1000 row(s) returned	0.000 sec / 0.000 sec
49	13:01:11	select price,OrderQty,unitcost, case when StateID = 1 then "Adamawa" when stateid = 2 t...	1000 row(s) returned	0.016 sec / 0.000 sec
50	13:54:09	select * from sales_product where BrandName = "contoso" LIMIT 0, 1000	560 row(s) returned	0.000 sec / 0.000 sec
51	13:54:15	select*from sales_product where brandname like "Conto%" LIMIT 0, 1000	560 row(s) returned	0.000 sec / 0.000 sec
52	13:54:22	select*from sales_product where brandname like "L%" LIMIT 0, 1000	48 row(s) returned	0.000 sec / 0.000 sec
53	13:54:40	select*from sales_product where brandname like "Conto%" LIMIT 0, 1000	560 row(s) returned	0.000 sec / 0.000 sec



Result

Grid

[illegible]

Form

Form  
Editor

**Read On**

 Read On

© 2006 The Authors

Fetch

/ 0.000 sec

0.000 sec

/ 0.000 sec

/ 0.000 sec

10.000

/ 0.000 sec

/ 0.000 sec

10,000,000

/ 0.000 sec

DM

PM  
11

2023 2

MySQL Workbench

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

dataleum

dataleum

Tables

Views

Stored Procedures

Functions

sakila

salary\_data

sql\_intro

sql\_joins

student

sys

world

Administration Schemas

Information

No object selected

Object Info Session

having sql function\* inner join\* SQL File 4

Limit to 1000 rows

26 # using wildcard

27 • select \* from sales\_product where BrandName = "contoso";

28

29 • select\*from sales\_product where brandname like "Conto%";

30

31 • select\*from sales\_product where brandname like "L%";

32

33 • select \* from sales\_product where brandname in ("Litware","Proseware");

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	ProductKey	ProductName	Manufacturer	BrandName
▶	192	Litware Home Theater System 4.1 Channel M41...	Litware, Inc.	Litware
	193	Litware Home Theater System 5.1 Channel M51...	Litware, Inc.	Litware
	194	Litware Home Theater System 2.1 Channel E21...	Litware, Inc.	Litware
	195	Litware Home Theater System 5.1 Channel M51...	Litware, Inc.	Litware
	196	Litware Home Theater System 2.1 Channel E21...	Litware, Inc.	Litware
	197	Litware Home Theater System 2.1 Channel E21...	Litware, Inc.	Litware

sales\_product 8

Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 49	13:01:11	select price,OrderQty,unitcost, case when StateID = 1 then "Adamawa" when stateid = 2 t...	1000 row(s) returned	0.016 sec / 0.000 sec
✓ 50	13:54:09	select * from sales_product where BrandName = "contoso" LIMIT 0, 1000	560 row(s) returned	0.000 sec / 0.000 sec
✓ 51	13:54:15	select*from sales_product where brandname like "Conto%" LIMIT 0, 1000	560 row(s) returned	0.000 sec / 0.000 sec
✓ 52	13:54:22	select*from sales_product where brandname like "L%" LIMIT 0, 1000	48 row(s) returned	0.000 sec / 0.000 sec
✓ 53	13:54:40	select*from sales_product where brandname like "Conto%" LIMIT 0, 1000	560 row(s) returned	0.000 sec / 0.000 sec
✓ 54	13:55:44	select*from sales_product where brandname like "L%" LIMIT 0, 1000	48 row(s) returned	0.000 sec / 0.000 sec

Type here to search

1:55 PM 5/23/2023



MySQL Workbench

Local instance MySQL80

FileEditViewQueryDatabaseServerToolsScriptingHelp

Navigator

SCHEMAS

Filter objects

dataleum

dataleum

Tables

Views

Stored Procedures

Functions

sakila

salary\_data

sql\_intro

sql\_joins

student

sys

world

AdministrationSchemas

Information

No object selected

Object InfoSession

having sql function\*inner join\*SQL File 4

Limit to 1000 rows

167 • select \* from sales;

168 • select \* from sales\_product\_cat;

169 #using left join to get total profit for

170 • select s.ProductSubCategoryKey, spc.ProductSubCategory, spc.ProductCategory,

171 round(sum(price\*orderqty)- (unitcost\*CostofSales),1)as TotalProfit

172 from sales as s

173 left join sales\_product\_cat as spc

174 on s.ProductSubCategoryKey=spc.ProductSubCategoryKey

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	ProductSubCategoryKey	ProductSubCategory	ProductCategory	TotalProfit
▶	10	Printers, Scanners & Fax	Computers	1637989.4
	15	Home Theater System	TV and Video	4519705.9
	5	Car Video	TV and Video	2114662.6
	3	Movie DVD	Music, Movies and Audio Books	1072742.3
	8	Smart phones & PDAs	Cell phones	2587190.5
	7	Camcorders	Cameras and camcorders	7934266.1

Result 32

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 30	11:53:49	select s.ProductSubCategoryKey, spc.ProductSubCategory, spc.ProductCategory, round(s...	22 row(s) returned	0.125 sec / 0.000 sec
✓ 31	11:54:29	select s.ProductKey, s.orderid, sp.ProductName,sp.BrandName, round(sum(price *orderqty)...	1000 row(s) returned	0.391 sec / 0.046 sec
✗ 32	12:01:56	select s.ProductKey, s.orderid, sp.ProductName,sp.BrandName, round(sum(price *orderqty)...	Error Code: 1052. Column 'ProductKey' in where clause is ambiguous	0.016 sec
✓ 33	12:10:06	select * from employees LIMIT 0, 1000	373 row(s) returned	0.000 sec / 0.000 sec
✓ 34	12:10:28	select * from emp_details LIMIT 0, 1000	25 row(s) returned	0.016 sec / 0.000 sec
✓ 35	12:33:59	select s.ProductSubCategoryKey, spc.ProductSubCategory, spc.ProductCategory, round(s...	22 row(s) returned	0.094 sec / 0.000 sec

MySQL Workbench

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

dataleum

dataleum

Tables

Views

Stored Procedures

Functions

sakila

salary\_data

sql\_intro

sql\_joins

student

sys

world

Administration

Schemas

Information

No object selected

Object Info

Session

having sql function\* inner join\* x SQL File 4

Limit to 1000 rows

```
159 #Right join to get Revenue of each each
160 • select s.stateid, ss.State, ss.zone,
161      round(sum(price*orderqty),1)as revenue
162 from sales as s
163 right join sales_state as ss
164 on s.StateID=ss.StateID
165 group by StateID order by Revenue desc;
166
```

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	stateid	State	zone	revenue
▶	21	Kebbi	North West	1795095.3
	16	Imo	South East	1751165.4
	1	Abia	South East	1708221.5
	18	Kaduna	North West	1707091.5
	19	Kano	North West	1704599.6
	2	Adamawa	North East	1688915.1

Result 33 x

Read Only

Output

Action Output


#	Time	Action	Message	Duration / Fetch
✓ 31	11:54:29	select s.ProductKey, s.orderid, sp.ProductName,sp.BrandName, round(sum(price *orderqty)...	1000 row(s) returned	0.391 sec / 0.046 sec
✗ 32	12:01:56	select s.ProductKey, s.orderid, sp.ProductName,sp.BrandName, round(sum(price *orderqty)...	Error Code: 1052. Column 'ProductKey' in where clause is ambiguous	0.016 sec
✓ 33	12:10:06	select * from employees LIMIT 0, 1000	373 row(s) returned	0.000 sec / 0.000 sec
✓ 34	12:10:28	select * from emp_details LIMIT 0, 1000	25 row(s) returned	0.016 sec / 0.000 sec
✓ 35	12:33:59	select s.ProductSubCategoryKey, spc.ProductSubCategory, spc.ProductCategory, round(s...	22 row(s) returned	0.094 sec / 0.000 sec
✓ 36	12:40:27	select s.stateid, ss.State, ss.zone, round(sum(price*orderqty),1)as revenue from sales as s ri...	37 row(s) returned	0.281 sec / 0.000 sec

Type here to search

30°C

12:46 PM 5/22/2023

Filter objects

▼  dataleum

Stored Procedures

- ▶ salary\_data

- ▶  sql\_joins
- ▶  student

▶ world

Administration Schemas

© 2014 Pearson Education, Inc. or its affiliate(s). All rights reserved.

© 2011 Blackwell Publishing Ltd *Journal of Internal Medicine* 270: 105–114

© 2011 Blackwell Publishing Ltd *Journal of Internal Medicine* 270: 103–110

© 2011 Blackwell Publishing Ltd *Journal of Internal Medicine* 270: 103–110

© 2011 Blackwell Publishing Ltd *Journal of Internal Medicine* 270: 103–110


Object Info Session

Type here to search

```
122 • select * from sales_product_cat;  
123 • select * from sales_state;  
124 #using inner join  
125 • select state, capital,zone, price, orderqty  
126 from sales_state  
127 inner join sales  
128 using (stateid);  
129
```

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

	state	capital	zone	price	orderqty
▶	Enugu	Enugu	South East	248	12
	Cross River	Calabar	South South	299.9	4
	Adamawa	Yola	North East	299.9	10
	Imo	Owerri	South East	299	10
	Borno	Maiduguri	North East	299	8
	Niger	Minna	North Central	299	9

Result 35 

### Output :

Action Output

#	Time	Action	Message	Duration / Fetch
33	12:10:06	select * from employees LIMIT 0, 1000	373 row(s) returned	0.000 sec / 0.000 sec
34	12:10:28	select * from emp_details LIMIT 0, 1000	25 row(s) returned	0.016 sec / 0.000 sec
35	12:33:59	select s.ProductSubCategoryKey, spc.ProductSubCategory, spc.ProductCategory, round(s...	22 row(s) returned	0.094 sec / 0.000 sec
36	12:40:27	select s.stateid, ss.State, ss.zone, round(sum(price*orderqty),1)as revenue from sales as s ri...	37 row(s) returned	0.281 sec / 0.000 sec
37	12:48:14	select s.StateID, s.orderid, ss.State, round(sum(price *orderqty)-(unitcost*CostofSales),1)as ...	37 row(s) returned	0.547 sec / 0.000 sec
38	12:49:37	select state, capital,zone, price, orderqty from sales_state inner join sales using (stateid) LI...	1000 row(s) returned	0.000 sec / 0.015 sec





having sql function\* inner join\* × SQL File 4

```
117 inner join sales
```

```
118     using (productKey);
```

119

```
120 select * from sales;
```

```
120 • select * from sales;
```

121

```
122 • select * from sales_product;
```

```
123 • select * from sales product cat;
```

```
123 • select * from sales_product
124 • select * from sales_store
```

```
124 • select * from sales_state;
```

1	2	3	4
5	6	7	8
9	10	11	12

Result Grid   Filter Rows:

	OrderID	OrderDate	UnitCost
--	---------	-----------	----------

▶	1618	6/28/2012	124.657057000000
---	------	-----------	------------------

432	11/17/2012	271.3645277
-----	------------	-------------

905	4/22/2012	267.1351772
-----	-----------	-------------

905	4/22/2012	267.1351772
7263	10/2/2012	38.38022681

7263	10/2/2012	38.38022681
7702	12/13/2011	188.2912786

7702	12/13/2011	188.2912786
712	2/9/2013	81.07279012

7/12	2/9/2013	81.07279012
sales 38		

sales 38 x

## Output

Action Output

#	Time	Action	Message	Duration / Fetch
36	12:40:27	select s.stateid, ss.State, ss.zone, round(sum(price*orderqty),1)as revenue from sales as s ri...	37 row(s) returned	0.281 sec / 0.000 sec
37	12:48:14	select s.StateID, s.orderid, ss.State, round(sum(price *orderqty)-(unitcost*CostofSales),1)as ...	37 row(s) returned	0.547 sec / 0.000 sec
38	12:49:37	select state, capital,zone, price, orderqty from sales_state inner join sales using (stateid) LI...	1000 row(s) returned	0.000 sec / 0.015 sec
39	12:50:39	select s.StateID, s.orderid, ss.State, round(sum(price *orderqty)-(unitcost*CostofSales),1)as ...	37 row(s) returned	0.437 sec / 0.000 sec
40	12:51:56	select s.StateID, s.orderid, ss.State, round(sum(price *orderqty)-(unitcost*CostofSales),1)as ...	37 row(s) returned	0.469 sec / 0.000 sec
41	12:53:17	select * from sales LIMIT 0, 1000	1000 row(s) returned	0.016 sec / 0.015 sec