

Limit to 50000 rows

```
1 • use classicmodels;
2 • select * from classicmodels.customers ;
3
4 • select customerName, country, creditLimit from customers
5   where country="usa" and creditLimit >= 5000
6   order by creditLimit desc;
7
8
9
10
```

Result Grid



Filter Rows:

Export:




Wrap Cell Content:



	customerName	country	creditLimit
	Tekni Collectables Inc.	USA	43000.00
	Gifts4AllAges.com	USA	41900.00
	Microscale Inc.	USA	39800.00
	Auto-Moto Classics Inc.	USA	23000.00
	Boards & Toys Co.	USA	11000.00

customers 37 x

```
7  
8 • select country , avg(creditlimit) AS AverageCreditLimit  
9 from customers  
10 group by country  
11 order by AverageCreditLimit desc ;  
12  
13
```

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

	country	AverageCreditLimit
▶	Denmark	102100.000000
	Italy	97200.000000
	Finland	95266.666667
	Norway	91200.000000
	New Zealand	90625.000000

Result 40 x

```

7
8 • select country , avg(creditlimit) AS AverageCreditLimit
9   from customers
10  group by country
11  order by AverageCreditLimit desc ;
12
13
14  -- subqueries

```

Result Grid   Filter Rows:  Export:  Wrap Cell Content: 

	country	AverageCreditLimit
▶	Denmark	102100.000000
	Italy	97200.000000
	Finland	95266.666667
	Norway	91200.000000
	New Zealand	90625.000000

Result 69 

Output

 Action Output 

	#	Time	Action	Message
✓	86	20:11:04	SELECT OrderNumber, CustomerNumber, OrderDate FROM orders WHERE OrderNumber IN ( SELEC...	36 row(s) returned
✓	87	20:11:53	SELECT EmployeeNumber, FirstName, LastName FROM employees WHERE EmployeeNumber IN ( SE...	12 row(s) returned
✓	88	20:13:28	CREATE VIEW HighCreditCustomers AS SELECT CustomerNumber, CustomerName, Country, CreditLimit ...	0 row(s) affected
✓	89	20:18:09	select country , avg(creditlimit) AS AverageCreditLimit from customers group by country order by Average...	27 row(s) returned

```

13
14 -- subqueries
15 • select CustomerName, Country, CreditLimit
16 from customers
17 where CreditLimit > (
18     select avg(CreditLimit) from customers
19 )
20

```

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	CustomerName	Country	CreditLimit
▶	Signal Gift Stores	USA	71800.00
	Australian Collectors, Co.	Australia	117300.00
	La Rochelle Gifts	France	118200.00
	Baane Mini Imports	Norway	81700.00
	Mini Gifts Distributors Ltd.	USA	210500.00

customers 70

Output

Action Output

#	Time	Action	Message
✓ 88	20:13:28	CREATE VIEW HighCreditCustomers AS SELECT CustomerNumber, CustomerName, Country, CreditLimit ...	0 row(s) affected
✓ 89	20:18:09	select country , avg(creditlimit) AS AverageCreditLimit from customers group by country order by Average...	27 row(s) returned
✗ 90	20:18:43	select CustomerName, Country, CreditLimit fromcustomers where CreditLimit > ( select avg(CreditLimit) fr...	Error Code: 1054. Unknown column 'CustomerName' in 'field list'
✓ 91	20:18:54	select CustomerName, Country, CreditLimit from customers where CreditLimit > ( select avg(CreditLimit) fr...	69 row(s) returned

```

20
21 • select OrderNumber, CustomerNumber, OrderDate
22 from orders
23 where OrderNumber in(
24     select OrderNumber
25     from orderdetails
26     group by OrderNumber
27     having SUM(QuantityOrdered * PriceEach) > 50000
28 );
29

```

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

	OrderNumber	CustomerNumber	OrderDate
▶	10103	121	2003-01-29
	10105	145	2003-02-11
	10106	278	2003-02-17
	10108	385	2003-03-03
	10122	350	2003-05-08

orders 71 x

Output



Action Output

#	Time	Action	Message
✓ 89	20:18:09	select country , avg(creditlimit) AS AverageCreditLimit from customers group by country order by Average...	27 row(s) returned
✗ 90	20:18:43	select CustomerName, Country, CreditLimit from customers where CreditLimit > ( select avg(CreditLimit) fr...	Error Code: 1054. Unknown column 'CustomerName' in 'field list'
✓ 91	20:18:54	select CustomerName, Country, CreditLimit from customers where CreditLimit > ( select avg(CreditLimit) fr...	69 row(s) returned
✓ 92	20:19:12	select OrderNumber, CustomerNumber, OrderDate from orders where OrderNumber in( select OrderNum...	36 row(s) returned

```

29
30 • select EmployeeNumber, FirstName, LastName
31 from employees
32 where EmployeeNumber in(
33     select SalesRepEmployeeNumber
34     from customers
35     group by SalesRepEmployeeNumber
36     having COUNT(CustomerNumber) > 5
37 );
38
39 -- views



```

Result Grid   Filter Rows:  Export:  Wrap Cell Content: 

	EmployeeNumber	FirstName	LastName
▶	1165	Leslie	Jennings
	1166	Leslie	Thompson
	1188	Julie	Firrelli
	1216	Steve	Patterson
	1286	Foon Yue	Tseng

employees 72 x

Output

 Action Output 

	#	Time	Action	Message
✖	90	20:18:43	select CustomerName, Country, CreditLimit from customers where CreditLimit > ( select avg(CreditLimit) fr...	Error Code: 1054. Unknown column 'Custom
✔	91	20:18:54	select CustomerName, Country, CreditLimit from customers where CreditLimit > ( select avg(CreditLimit) fr...	69 row(s) returned
✔	92	20:19:12	select OrderNumber, CustomerNumber, OrderDate from orders where OrderNumber in( select OrderNum...	36 row(s) returned
✔	93	20:19:24	select EmployeeNumber, FirstName, LastName from employees where EmployeeNumber in( select Sale...	12 row(s) returned



38  
39  
40  
41  
42  
43  
44  
45  
46

```
-- views  
create view HighCreditCustomers as  
select CustomerNumber, CustomerName, Country, CreditLimit  
from customers  
where CreditLimit > 50000;
```

Result Grid

Filter Rows:


Export: 

Wrap Cell Content: 

	EmployeeNumber	FirstName	LastName
▶	1165	Leslie	Jennings
	1166	Leslie	Thompson
	1188	Julie	Firrelli
	1216	Steve	Patterson
	1286	Foon Yue	Tseng

employees 73 x

Output

 Action Output

▼

	#	Time	Action	Message
✓	91	20:18:54	select CustomerName, Country, CreditLimit from customers where CreditLimit > ( select avg(CreditLimit) fr...	69 row(s) returned
✓	92	20:19:12	select OrderNumber, CustomerNumber, OrderDate from orders where OrderNumber in( select OrderNum...	36 row(s) returned
✓	93	20:19:24	select EmployeeNumber, FirstName, LastName from employees where EmployeeNumber in( select Sale...	12 row(s) returned
✓	94	20:19:36	select EmployeeNumber, FirstName, LastName from employees where EmployeeNumber in( select Sale...	12 row(s) returned

```

44
45 -- joins
46
47 • select o.OrderNumber, o.OrderDate, c.CustomerName
48 from orders o
49 inner join customers c
50 on o.CustomerNumber = c.CustomerNumber;
51
52 • select c.CustomerName, o.OrderNumber, o.OrderDate

```

Result Grid   Filter Rows:  Export:  Wrap Cell Content: 

	OrderNumber	OrderDate	CustomerName
▶	10100	2003-01-06	Online Diecast Creations Co.
	10101	2003-01-09	Blauer See Auto, Co.
	10102	2003-01-10	Vitachrome Inc.
	10103	2003-01-29	Baane Mini Imports
	10104	2003-01-31	Euro+ Shopping Channel
	10105	2003-02-11	Danish Wholesale Imports
	10106	2003-02-17	Rovelli Gifts
	10107	2003-02-24	Land of Toys Inc.
	10108	2003-03-03	Cruz & Sons Co.
	10109	2003-03-10	Motor Mint Distributors Inc.
	10110	2003-03-18	AV Stores, Co.

Result 74 x

Output

 Action Output 


	#	Time	Action	Message
✓	92	20:19:12	select OrderNumber, CustomerNumber, OrderDate from orders where OrderNumber in( select OrderNum...	36 row(s) returned
✓	93	20:19:24	select EmployeeNumber, FirstName, LastName from employees where EmployeeNumber in( select Sale...	12 row(s) returned
✓	94	20:19:36	select EmployeeNumber, FirstName, LastName from employees where EmployeeNumber in( select Sale...	12 row(s) returned
✓	95	20:22:46	select o.OrderNumber, o.OrderDate, c.CustomerName from orders o inner join customers c on o.Customer...	326 row(s) returned



```

51
52 • select c.CustomerName, o.OrderNumber, o.OrderDate
53 from customers c
54 left join orders o
55 on c.CustomerNumber = o.CustomerNumber;
56


```

Result Grid   Filter Rows:  Export:  Wrap Cell Content: 

	CustomerName	OrderNumber	OrderDate
▶	Atelier graphique	10123	2003-05-20
	Atelier graphique	10298	2004-09-27
	Atelier graphique	10345	2004-11-25
	Signal Gift Stores	10124	2003-05-21
	Signal Gift Stores	10278	2004-08-06
	Signal Gift Stores	10346	2004-11-29
	Australian Collectors, Co.	10120	2003-04-29
	Australian Collectors, Co.	10125	2003-05-21
	Australian Collectors, Co.	10223	2004-02-20
	Australian Collectors, Co.	10342	2004-11-24
	Australian Collectors, Co.	10347	2004-11-29

Result 75 x

Output




 Action Output

#	Time	Action	Message
✓ 93	20:19:24	select EmployeeNumber, FirstName, LastName from employees where EmployeeNumber in( select Sale...	12 row(s) returned
✓ 94	20:19:36	select EmployeeNumber, FirstName, LastName from employees where EmployeeNumber in( select Sale...	12 row(s) returned
✓ 95	20:22:46	select o.OrderNumber, o.OrderDate, c.CustomerName from orders o inner join customers c on o.Customer...	326 row(s) returned
✓ 96	20:23:32	select c.CustomerName, o.OrderNumber, o.OrderDate from customers c left join orders o on c.CustomerNu...	350 row(s) returned

```

56
57 • select o.OrderNumber, o.OrderDate, c.CustomerName
58 from orders o
59 right join customers c
60 on o.CustomerNumber = c.CustomerNumber;
61

```

Result Grid   Filter Rows:  Export:  Wrap Cell Content: 

	OrderNumber	OrderDate	CustomerName
▶	10123	2003-05-20	Atelier graphique
	10298	2004-09-27	Atelier graphique
	10345	2004-11-25	Atelier graphique
	10124	2003-05-21	Signal Gift Stores
	10278	2004-08-06	Signal Gift Stores
	10346	2004-11-29	Signal Gift Stores
	10120	2003-04-29	Australian Collectors, Co.
	10125	2003-05-21	Australian Collectors, Co.
	10223	2004-02-20	Australian Collectors, Co.
	10342	2004-11-24	Australian Collectors, Co.
	10347	2004-11-29	Australian Collectors, Co.

Result 76 x

Output

 Action Output ▼

#	Time	Action	Message
✓ 94	20:19:36	select EmployeeNumber, FirstName, LastName from employees where EmployeeNumber in( select Sale...	12 row(s) returned
✓ 95	20:22:46	select o.OrderNumber, o.OrderDate, c.CustomerName from orders o inner join customers c on o.Customer...	326 row(s) returned
✓ 96	20:23:32	select c.CustomerName, o.OrderNumber, o.OrderDate from customers c left join orders o on c.CustomerNu...	350 row(s) returned
✓ 97	20:23:50	select o.OrderNumber, o.OrderDate, c.CustomerName from orders o right join customers c on o.CustomerN...	350 row(s) returned