

Limit to 1000 rows

```

61 insert into enrolled values(4, "class5");
62 insert into enrolled values(5, "class5");
63
64 select * from STUDENT;
65 select * from FACULTY;
66 select * from class;
67 select * from enrolled;

```

Result Grid

Filter Rows:
Edit:
Export/Import:
Wrap Cell Content:

	snum	sname	major	lvl	age
▶	1	jhon	CS	Sr	19
	2	Smith	CS	Jr	20
	3	Jacob	CV	Sr	20
	4	Tom	CS	Jr	20
	5	Rahul	CS	Jr	20
	6	Rita	CS	Sr	21
*	NULL	NULL	NULL	NULL	NULL

Result Grid
Form Editor

STUDENT 12 × FACULTY 13 class 14 enrolled 15

Apply Revert

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 46	23:25:17	select s.age,s.lvl from student s group by s.age,s.lvl having s.lvl in(select s1.lvl from studen...	3 row(s) returned	0.047 sec / 0.000 sec
✓ 47	23:26:50	select * from STUDENT LIMIT 0, 1000	6 row(s) returned	0.000 sec / 0.000 sec
✓ 48	23:26:50	select * from FACULTY LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
✓ 49	23:26:50	select * from class LIMIT 0, 1000	8 row(s) returned	0.000 sec / 0.000 sec
✓ 50	23:26:50	select * from enrolled LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec

student_faculty x



```
61 insert into enrolled values(4, "class5");
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64 select * from STUDENT;
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66 select * from class;
67 select * from enrolled;
```



Result Grid Filter Rows: Edit: Export/Import: Wrap Cell Content:

	fid	fname	deptid
▶	11	Harish	1000
	12	MV	1000
	13	Mira	1001
	14	Shiva	1002
	15	Nupur	1000
*	NULL	NULL	NULL

Result
GridForm
Editor

STUDENT 12 FACULTY 13 x class 14 enrolled 15

Apply

Revert

Output

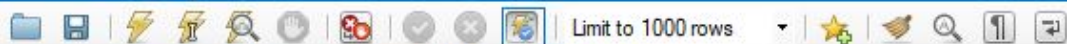


Action Output



	#	Time	Action	Message	Duration / Fetch
✓	46	23:25:17	select s.age,s.lvl from student s group by s.age,s.lvl having s.lvl in(select s1.lvl from studen...	3 row(s) returned	0.047 sec / 0.000 sec
✓	47	23:26:50	select * from STUDENT LIMIT 0, 1000	6 row(s) returned	0.000 sec / 0.000 sec
✓	48	23:26:50	select * from FACULTY LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
✓	49	23:26:50	select * from class LIMIT 0, 1000	8 row(s) returned	0.000 sec / 0.000 sec
✓	50	23:26:50	select * from enrolled LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec

student_faculty x



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64 select * from STUDENT;
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66 select * from class;
67 select * from enrolled;
```



Result Grid Filter Rows: Edit: Export/Import: Wrap Cell Content:

	cname	metts_at	room	fid
▶	class1	2012-11-15 10:15:16	R1	14
	class10	2012-11-15 10:15:16	R128	14
	class2	2012-11-15 10:15:20	R2	12
	class3	2012-11-15 10:15:25	R3	11
	class4	2012-11-15 20:15:20	R4	14
	class5	2012-11-15 20:15:20	R3	15
	class6	2012-11-15 13:20:20	R2	14
	class7	2012-11-15 10:10:10	R3	14

STUDENT 12 FACULTY 13 class 14 x enrolled 15

Apply

Revert

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 46	23:25:17	select s.age,s.lvl from student s group by s.age,s.lvl having s.lvl in(select s1.lvl from studen...	3 row(s) returned	0.047 sec / 0.000 sec
✓ 47	23:26:50	select * from STUDENT LIMIT 0, 1000	6 row(s) returned	0.000 sec / 0.000 sec
✓ 48	23:26:50	select * from FACULTY LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
✓ 49	23:26:50	select * from class LIMIT 0, 1000	8 row(s) returned	0.000 sec / 0.000 sec
✓ 50	23:26:50	select * from enrolled LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec

student_faculty x



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61 insert into enrolled values(4, "class5");
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63
64 select * from STUDENT;
65 select * from FACULTY;
66 select * from class;
67 select * from enrolled;
```

Result Grid Filter Rows: Edit: Export/Import: Wrap Cell Content:

	snum	cname
▶	1	class1
	2	class1
	3	class3
	4	class3
	5	class4
	1	class5
	2	class5
	3	class5

Result Grid

Form Editor

STUDENT 12 FACULTY 13 class 14 enrolled 15 x

Apply

Revert

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 46	23:25:17	select s.age,s.lvl from student s group by s.age,s.lvl having s.lvl in(select s1.lvl from studen...	3 row(s) returned	0.047 sec / 0.000 sec
✓ 47	23:26:50	select * from STUDENT LIMIT 0, 1000	6 row(s) returned	0.000 sec / 0.000 sec
✓ 48	23:26:50	select * from FACULTY LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
✓ 49	23:26:50	select * from class LIMIT 0, 1000	8 row(s) returned	0.000 sec / 0.000 sec
✓ 50	23:26:50	select * from enrolled LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec

student_faculty x



```

67  select * from enrolled;
68
69  -- Query 1
70  SELECT DISTINCT S.Sname
71  FROM Student S, Class C, Enrolled E, Faculty F
72  WHERE S.snum = E.snum AND E.cname = C.cname AND C.fid = F.fid AND
73  F.fname = "Harish" AND S.lvl = "Jr";

```

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

	Sname
▶	Tom

Result Grid

Form Editor

Result 16 x

Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 47	23:26:50	select * from STUDENT LIMIT 0, 1000	6 row(s) returned	0.000 sec / 0.000 sec
✓ 48	23:26:50	select * from FACULTY LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
✓ 49	23:26:50	select * from class LIMIT 0, 1000	8 row(s) returned	0.000 sec / 0.000 sec
✓ 50	23:26:50	select * from enrolled LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
✓ 51	00:53:35	SELECT DISTINCT S.Sname FROM Student S, Class C, Enrolled E, Faculty F WHERE S....	1 row(s) returned	0.000 sec / 0.000 sec

student_faculty x



```
76  -- Query 2
77  SELECT DISTINCT cname
78  FROM class
79  WHERE room="R128"
80  OR
81  cname IN (SELECT e.cname FROM enrolled e GROUP BY e.cname HAVING
82  COUNT(*)>=5);
```

Result Grid Filter Rows: Edit: Export/Import: Wrap Cell Content:

	cname
▶	class10
	class5
*	NULL

Result
GridForm
Editor

class 17 x

Apply

Revert

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 48	23:26:50	select * from FACULTY LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
✓ 49	23:26:50	select * from class LIMIT 0, 1000	8 row(s) returned	0.000 sec / 0.000 sec
✓ 50	23:26:50	select * from enrolled LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
✓ 51	00:53:35	SELECT DISTINCT S.Sname FROM Student S, Class C, Enrolled E, Faculty F WHERE S....	1 row(s) returned	0.000 sec / 0.000 sec
✓ 52	00:53:52	SELECT DISTINCT cname FROM class WHERE room="R128" OR cname IN (SELECT e....	2 row(s) returned	0.000 sec / 0.000 sec

student_faculty x



```
82  COUNT(*)>=5);
83
84  -- Query 3
85  SELECT DISTINCT S.sname
86  FROM Student S
87  WHERE S.snum IN (SELECT E1.snum
88
```

Result Grid Filter Rows: Export: Wrap Cell Content:

	sname
▶	Rahul

Result Grid

Form Editor

Student 18 x

Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 49	23:26:50	select * from class LIMIT 0, 1000	8 row(s) returned	0.000 sec / 0.000 sec
✓ 50	23:26:50	select * from enrolled LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
✓ 51	00:53:35	SELECT DISTINCT S.Sname FROM Student S, Class C, Enrolled E, Faculty F WHERE S....	1 row(s) returned	0.000 sec / 0.000 sec
✓ 52	00:53:52	SELECT DISTINCT cname FROM class WHERE room="R128" OR cname IN (SELECT e....	2 row(s) returned	0.000 sec / 0.000 sec
✓ 53	00:54:10	SELECT DISTINCT S.sname FROM Student S WHERE S.snum IN (SELECT E1.snum FR...	1 row(s) returned	0.000 sec / 0.000 sec

student_faculty x

 Limit to 1000 rows     

```
94
95  -- Query 4
96  SELECT f.fname,f.fid
97
98  FROM faculty f
99
100 WHERE f.fid in ( SELECT fid FROM class
```

Result Grid  Filter Rows: Edit:    Export/Import:   Wrap Cell Content: 

	fname	fid
▶	Shiva	14
★	NULL	NULL


Result
GridForm
Editor

faculty 19 x

Apply

Revert

Output

 Action Output

	#	Time	Action	Message	Duration / Fetch
✓	50	23:26:50	select * from enrolled LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
✓	51	00:53:35	SELECT DISTINCT S.Sname FROM Student S, Class C, Enrolled E, Faculty F WHERE S....	1 row(s) returned	0.000 sec / 0.000 sec
✓	52	00:53:52	SELECT DISTINCT cname FROM class WHERE room="R128" OR cname IN (SELECT e....	2 row(s) returned	0.000 sec / 0.000 sec
✓	53	00:54:10	SELECT DISTINCT S.sname FROM Student S WHERE S.snum IN (SELECT E1.snum FR...	1 row(s) returned	0.000 sec / 0.000 sec
✓	54	00:54:29	SELECT f.fname,f.fid FROM faculty f WHERE f.fid in (SELECT fid FROM class GROUP ...	1 row(s) returned	0.000 sec / 0.000 sec

student_faculty x



```
106  -- Query 5
107  SELECT DISTINCT F.fname
108  FROM Faculty F
109  WHERE 5 > (SELECT COUNT(E.snum)
110            FROM Class C, Enrolled E
111            WHERE C.cname = E.cname
112            AND C.fid = F.fid);
```

Result Grid Filter Rows: Export: Wrap Cell Content:

	fname
▶	Harish
	MV
	Mira
	Shiva

Result Grid
Form Editor

Faculty 20 x

Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 51	00:53:35	SELECT DISTINCT S.Sname FROM Student S, Class C, Enrolled E, Faculty F WHERE S....	1 row(s) returned	0.000 sec / 0.000 sec
✓ 52	00:53:52	SELECT DISTINCT cname FROM class WHERE room="R128" OR cname IN (SELECT e....	2 row(s) returned	0.000 sec / 0.000 sec
✓ 53	00:54:10	SELECT DISTINCT S.sname FROM Student S WHERE S.snum IN (SELECT E1.snum FR...	1 row(s) returned	0.000 sec / 0.000 sec
✓ 54	00:54:29	SELECT f.fname,f.fid FROM faculty f WHERE f.fid in (SELECT fid FROM class GROUP ...	1 row(s) returned	0.000 sec / 0.000 sec
✓ 55	00:54:50	SELECT DISTINCT F.fname FROM Faculty F WHERE 5 > (SELECT COUNT(E.snum) FR...	4 row(s) returned	0.000 sec / 0.000 sec

student_faculty x



```
113
114 -- Query 6
115 SELECT DISTINCT S.sname
116 FROM Student S
117 WHERE S.snum NOT IN (SELECT E.snum
118 FROM Enrolled E );
119
```

Result Grid Filter Rows: Export: Wrap Cell Content:

sname
Rita

Result Grid

Form Editor

Student 21 x

Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
52	00:53:52	SELECT DISTINCT cname FROM class WHERE room="R128" OR cname IN (SELECT e....	2 row(s) returned	0.000 sec / 0.000 sec
53	00:54:10	SELECT DISTINCT S.sname FROM Student S WHERE S.snum IN (SELECT E1.snum FR...	1 row(s) returned	0.000 sec / 0.000 sec
54	00:54:29	SELECT f.fname,f.fid FROM faculty f WHERE f.fid in (SELECT fid FROM class GROUP ...	1 row(s) returned	0.000 sec / 0.000 sec
55	00:54:50	SELECT DISTINCT F.fname FROM Faculty F WHERE 5 > (SELECT COUNT(E.snum) FR...	4 row(s) returned	0.000 sec / 0.000 sec
56	00:55:09	SELECT DISTINCT S.sname FROM Student S WHERE S.snum NOT IN (SELECT E.snum...	1 row(s) returned	0.000 sec / 0.000 sec

student_faculty x



Limit to 1000 rows

```
117 WHERE S.snum NOT IN (SELECT E.snum
118 FROM Enrolled E );
119
120 -- Query 7
121 select s.age,s.lvl
122 from student s
123 group by s.age,s.lvl having s.lvl in(
```

Result Grid Filter Rows: Export: Wrap Cell Content:

	age	lvl
▶	19	Sr
	20	Jr
	21	Sr

Result Grid

Form Editor

student 22 x

Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 53	00:54:10	SELECT DISTINCT S.sname FROM Student S WHERE S.snum IN (SELECT E1.snum FR...	1 row(s) returned	0.000 sec / 0.000 sec
✓ 54	00:54:29	SELECT f.fname,f.fid FROM faculty f WHERE f.fid in (SELECT fid FROM class GROUP ...	1 row(s) returned	0.000 sec / 0.000 sec
✓ 55	00:54:50	SELECT DISTINCT F.fname FROM Faculty F WHERE 5 > (SELECT COUNT(E.snum) FR...	4 row(s) returned	0.000 sec / 0.000 sec
✓ 56	00:55:09	SELECT DISTINCT S.sname FROM Student S WHERE S.snum NOT IN (SELECT E.snum...	1 row(s) returned	0.000 sec / 0.000 sec
✓ 57	00:55:29	select s.age,s.lvl from student s group by s.age,s.lvl having s.lvl in(select s1.lvl from studen...	3 row(s) returned	0.000 sec / 0.000 sec