

rid

ratio

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ted

```
41      (10004,20003,40);  
42  
43 •    select * from SUPPLIERS;  
44 •    select *from PARTS;  
45 •    select *from CATALOG;  
46
```

Result Grid   Filter Rows: Edit:    Export/Import



	sid	sname	city
▶	10001	Acme Widget	Banglore
	10002	Johns	Kolkata
	10003	Vimal	Mumbai
	10004	Reliance	Delhi
	10005	Mahindra	Mumbai
*	NULL	NULL	NULL

SUPPLIERS 2 ×

```

3 • create table SUPPLIERS(sid integer(5) primary key, sname
4   varchar(20));
5 • desc SUPPLIERS;
6 • drop table suppliers;
7 • insert into suppliers values
8   (10001,'Acme Widget','Bangalore'),
9   (10002,'Johns','Kolkata'),
10  (10003,'Vimal','Mumbai'),
11  (10004,'Reliance','Delhi'),
12  (10005,'Mahindra','Mumbai');
13 • create table PARTS
14   (pid integer(5) primary key,
15    pname varchar(20),
16    color varchar(10));
17 • desc PARTS;
18 • insert into PARTS values
19   (20001,'Book','Red' ),
20   (20002,'Pen','Red' ),
21   (20003,'Pencil','Green' ),
22   (20004,'Mobile','Green' ),

```

Result Grid  Filter Rows: Export:  Wrap Cell Content: 

	Field	Type	Null	Key	Default	Extra
►	sid	int	NO	PRI	NULL	
	sname	varchar(20)	YES		NULL	
	city	varchar(20)	YES		NULL	

Result 3 x

helloworld

insurance

lab4

newdatabase

poorvi

sakila

sys

vehicleinsurar

vehicleinsurar

world

Administrati

Information

No object selected

35

(10001,20002,10),

36

(10001,20003,30),

37

(10001,20004,10),

38

(10001,20005,10),

39

(10002,20001,10),

40

(10002,20002,20),

41

(10003,20003,30),

42

(10004,20003,40);

43

44

• select * from SUPPLIERS;

45

• select *from PARTS;

46

• select *from CATALOG;

47

Result Grid

Filter Rows:

Edit:

	sid	sname	city
▶	10001	Acme Widget	Bangalore
	10002	Johns	Kolkata
	10003	Vimal	Mumbai
	10004	Reliance	Delhi
	10005	Mahindra	Mumbai
*	NULL	NULL	NULL

SUPPLIERS 4

Output

Action Output

#	Time	Action
---	------	--------

42

(10004,20003,40);

43

44

• select * from SUPPLIERS;

45

• select *from PARTS;

46

• select *from CATALOG;

47

Result Grid

Filter Rows:

E

	pid	pname	color
▶	20001	Book	Red
	20002	Pen	Red
	20003	Pencil	Green
	20004	Mobile	Green
	20005	Charger	Black
*	NULL	NULL	NULL

PARTS 5

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|

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```
41      (10003,20003,30),  
42      (10004,20003,40);
```

43

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```
44 •   select * from SUPPLIERS;
```

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```
45 •   select *from PARTS;
```

```
46 •   select *from CATALOG;
```

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Result Grid



Filter Rows:

Edit:



	sid	pid	cost
▶	10001	20001	10
	10001	20002	10
	10001	20003	30
	10001	20004	10
	10001	20005	10
	10002	20001	10

CATALOG 6



Output

```
44 •   select * from SUPPLIERS;  
45 •   select *from PARTS;  
46 •   select *from CATALOG;  
47 •   SELECT DISTINCT P.pname  
48     FROM Parts P, Catalog C  
49     WHERE P.pid = C.pid;
```

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Result Grid



Filter Rows:

Export:



	pname
▶	Book
	Pen
	Pencil
	Mobile
	Charger

Result 7



Output



Action Output



Database
Oracle
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Object
Tree

```
48 FROM Parts P, Catalog C
49 WHERE P.pid = C.pid;
50 SELECT S.sname
51 FROM Suppliers S
52
53 WHERE
54 (( SELECT count(P.pid)
55 FROM Parts P ) =
56 ( SELECT count(C.pid)
57 FROM Catalog C
58 WHERE C.sid = S.sid ));
59
```

Result Grid Filter Rows: Export:

sname
Acme Widget

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urar

Ratio

on

```
56 ( SELECT count(C.pid)
57 FROM Catalog C
58 WHERE C.sid = S.sid ));
59 SELECT S.sname
60 FROM Suppliers S
61 WHERE
62 (( SELECT count(P.pid)
63 FROM Parts P where color='Red' ) =
64 ( SELECT count(C.pid)
65 FROM Catalog C, Parts P
66 WHERE C.sid = S.sid AND
67 C.pid = P.pid AND P.color = 'Red' ));
68
69
```

Result Grid Filter Rows: Export: Wrap C

sname
Acme Widget
Johns

Suppliers 9 x

```

base 66 WHERE C.sid = S.sid AND
67 C.pid = P.pid AND P.color = 'Red' ));
68 • SELECT P.pname
isurar 69 FROM Parts P, Catalog C, Suppliers S
isurar 70 WHERE P.pid = C.pid AND C.sid = S.sid
71 AND S.sname = 'Acme Widget'
72 AND NOT EXISTS ( SELECT *
73
74 FROM Catalog C1, Suppliers S1
75 WHERE P.pid = C1.pid AND C1.sid = S1.sid AND
76 S1.sname <> 'Acme Widget');

```

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	pname			
▶	Mobile			
	Charger			

```

75 WHERE P.pid = C1.pid AND C1.sid = S1.sid AND
76 S1.sname <> 'Acme Widget');
77 • SELECT DISTINCT C.sid FROM Catalog C
78 WHERE C.cost > ( SELECT AVG (C1.cost)
79 FROM Catalog C1
80 WHERE C1.pid = C.pid );
81
82

```

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	sid			
▶	10002			
	10004			

database
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```
79  FROM Catalog C1
80  WHERE C1.pid = C.pid );
81  • SELECT P.pid, S.sname
82  FROM Parts P, Suppliers S, Catalog C
83  WHERE C.pid = P.pid
84  AND C.sid = S.sid
85  AND C.cost = (SELECT MAX(C1.cost)
86  FROM Catalog C1
87  WHERE C1.pid = P.pid);
88
89
```

Result Grid			Filter Rows:	Export:	Wrap Cell Content:
	pid	sname			
▶	20001	Acme Widget			
	20001	Johns			
	20002	Johns			
	20003	Reliance			
	20004	Acme Widget			
	20005	Acme Widget			

Result 12 ×

Output