

Show query box

Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.

Showing rows 0 - 24 (60 total, Query took 0.0135 seconds.)

```
-- 1. Find the Cartesian product between Employee and Department table. SELECT * FROM Employee CROSS JOIN Department;
```

emp_id	f_name	l_name	job_type	salary
1	Arun	Khan	Manager	
1	Arun	Khan	Manager	
1	Arun	Khan	Manager	
1	Arun	Khan	Manager	
1	Arun	Khan	Manager	
2	Barun	Kumar	Manager	
2	Barun	Kumar	Manager	
2	Barun	Kumar	Manager	
2	Barun	Kumar	Manager	
2	Barun	Kumar	Manager	
3	Chitra	Kapoor	Engineer	
3	Chitra	Kapoor	Engineer	
3	Chitra	Kapoor	Engineer	
3	Chitra	Kapoor	Engineer	
3	Chitra	Kapoor	Engineer	
4	Dheeraj	Mishra	Manager	
4	Dheeraj	Mishra	Manager	
4	Dheeraj	Mishra	Manager	
4	Dheeraj	Mishra	Manager	
4	Dheeraj	Mishra	Manager	
5	Emma	Dutt	Engineer	
5	Emma	Dutt	Engineer	
5	Emma	Dutt	Engineer	
5	Emma	Dutt	Engineer	
5	Emma	Dutt	Engineer	

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Showing rows 0 - 9 (10 total, Query took 0.0003 seconds.)

```
-- 2. Show the employee names and the respective department location. SELECT employee.f_name, employee.l_name, department.d_loc FROM employee JOIN department ON employee.dept = department.d_name;
```

f_name	l_name	d_loc
Floki	Dutt	Delhi
Dheeraj	Kumar	Delhi
Barun	Kumar	Kol
Sunny	Deol	Kol
Aamir	Khan	Kol
Arun	Khan	Kol
Chitra	Kapoor	Kol
Emma	Dutt	Kol
Dheeraj	Mishra	Kol
Mou	Bhat	Kol

```
of the employees and insert the  
char(20), District varchar(20),  
, 'Kolkata', 'WB'),  
, 'Noida', 'GB Nagar', 'UP'),  
(Uttarakhand'),  
(8, 'Asansol', 'Burdwan', 'WB'), (9, 'Siliguri', 'Darjeeling', 'WB'), (10, 'Kolkata', 'Kolkata', 'WB'),
```

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Showing rows 0 - 9 (10 total, Query took 0.0004 seconds.)

```
employee.l_name, employee.date_of_joining FROM employee JOIN department ON employee.dept = department.d_name WHERE employee.d_dept = department.d_dept; -- 3. Show the employee names, location and the city name the employee belongs to, from the Employee, Department and Emp Address tables. SELECT employee.f name, employee.l_name, employee.d_dept, department.d_loc, emp_address.city FROM employee, department, emp_address WHERE employee.d_dept = department.d_dept AND employee.d_dept = emp_address.d_dept;
```

f_name	l_name	date_of_joining	City
Floki	Dutt	2000-07-16	

Floki	Dutt	Delhi
Dheeraj	Kumar	Delhi
Barun	Kumar	Kol
Sunny	Deol	Kol
Aamir	Khan	Kol
Arun	Khan	Kol
Chitra	Kapoor	Kol
Emma	Dutt	Kol
Dheeraj	Mishra	Kol
Mou	Bhat	Kol

of the employees and insert the
ar(20), District varchar(20),
, 'Kolkata', 'WB'),
, 'Noida', 'GB Nagar', 'UP'),
{Uttarakhand'},
(8, 'Asansol', 'Burdwan', 'WB'), (9, 'Siliguri', 'Darjeeling', 'WB'), (10, 'Kolkata', 'Kolkata', 'WB'),

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Showing rows 0 - 1 (2 total, Query took 0.0000 seconds.)

Showing rows 0 - 9 (10 total, Query took 0.0004 seconds.)

employee.l_name, employee.date_of_joining FROM employee JOIN department ON employee.dept =
department.d_name WHERE employee.d_dept = 10; -- 6. Find the name of each department's manager. SELECT f_name, l_name, dept
FROM the Employee, Department and Emp Address tables. SELECT employee.f_name, employee.l_name,
dept = department.d_name

f_name	l_name	date_of_joining
Floki	Dutt	2000-07-16
Barun	Kumar	2000-07-16
Chitra	Kapoor	2000-07-16
Dheeraj	Mishra	2000-07-16
Emma	Dutt	2000-07-16
Floki	Dutt	2000-07-16
Dheeraj	Kumar	2000-07-16
Mou	Bhat	2000-07-16
Sunny	Deol	2000-07-16
Aamir	Khan	2000-07-16

f_name	l_name	d_loc	City
Arun	Khan	Kol	Suri
Barun	Kumar	Kol	Kolkata
Chitra	Kapoor	Kol	Bhubaneswar
Dheeraj	Mishra	Kol	Durgapur
Emma	Dutt	Kol	Noida
Floki	Dutt	Delhi	Secunderabad
Dheeraj	Kumar	Delhi	Derhadun
Mou	Bhat	Kol	Siliguri
Sunny	Deol	Kol	Kolkata
Aamir	Khan	Kol	New Delhi

Showing rows 0 - 2 (3 total, Query took 0.0004 seconds.)

-- 6. Find the name of each department's manager. SELECT f_name, l_name, dept FROM employee WHERE
job_type = 'Manager';

f_name	l_name	dept
Arun	Khan	Production
Barun	Kumar	Marketing
Dheeraj	Mishra	Sales

MySQL returned an empty result set (i.e. zero rows). (Query took 0.0537 seconds.)

f_name	salary	Job_Grades
Sunny	20000.00	A
Bobby	35000.00	B
Aamir	15000.00	A

3 rows inserted. (Query took 0.0021 seconds.)

INSERT INTO Job Grades VALUES ('A',10000.24999), ('B',25000.49999), ('C',50000.100000);

2 rows inserted. (Query took 0.0012 seconds.)

Showing rows 0 - 11 (12 total, Query took 0.0003 seconds.)

VALUES (13, 'Raj', 'Chatterjee', 'Mechanic', 20000, 5000, NULL, 3, '08-Dec-2005'),
(14, 'Rajul', 'Khan', 'Electrician', 40000, 2000, NULL, 5, 'Aug-2005');
CASE WHEN salary BETWEEN 10000 AND 24999 THEN 'A' WHEN salary BETWEEN 25000 AND 49999 THEN 'B' WHEN

Warning: #1265 Data truncated for column 'date_of_joining' at row 1

f_name	salary	Job_Grades
Arun	90000.00	C
Barun	80000.00	C
Chitra	60000.00	C
Dheeraj	75000.00	C
Emma	55000.00	C
Floki	70000.00	C
Dheeraj	40000.00	B
Saul	60000.00	C
Mou	30000.00	B

'Mechanic', 'Kol', 3),

Delete features are not available.

f_name	salary	Job_Grades
Sunny	20000.00	A
Bobby	35000.00	B
Aamir	15000.00	A

3 rows inserted. (Query took 0.0021 seconds.)

```
INSERT INTO Job_Grades VALUES ('A',10000.24999), ('B',25000.49999), ('C',50000.100000);
```

2 rows inserted. (Query took 0.0012 seconds.)

Showing rows 0 - 11 (12 total, Query took 0.0003 seconds.)

```
VALUES (13,'Raj','Chatterjee','Mechanic',20000,5000,NULL,3,'08-Dec-2005'),
(14,'Rahul','Khan','Electrician',40000,2000,NULL,5,'12-Aug-1984');
CASE WHEN salary BETWEEN 10000 AND 24999 THEN 'A' WHEN salary BETWEEN 25000 AND 49999 THEN 'B' WHEN
```

Warning: #1265 Data truncated for column 'date_of_joining' at row 1

f_name	salary	Job_Grades
Arun	90000.00	C
Barun	80000.00	C
Chitra	60000.00	C
Dheeraj	75000.00	C
Emma	55000.00	C
Floki	70000.00	C
Dheeraj	40000.00	B
Saul	60000.00	C
Mou	30000.00	B

('Mechanic', 'Kol', 3),

Delete features are not available.

Showing rows 0 - 24 (98 total, Query took 0.0003 seconds.)

```
-- 11. Perform the following joins considering Employee and Department tables: -- a. Natural join
SELECT * FROM employee NATURAL JOIN department;
```

emp_id	f_name	l_name	job_type	salary
1	Arun	Khan	Manager	
1	Arun	Khan	Manager	
1	Arun	Khan	Manager	
1	Arun	Khan	Manager	
1	Arun	Khan	Manager	
1	Arun	Khan	Manager	
1	Arun	Khan	Manager	
2	Barun	Kumar	Manager	
2	Barun	Kumar	Manager	
2	Barun	Kumar	Manager	
2	Barun	Kumar	Manager	
2	Barun	Kumar	Manager	
2	Barun	Kumar	Manager	
2	Barun	Kumar	Manager	
3	Chitra	Kapoor	Engineer	
3	Chitra	Kapoor	Engineer	
3	Chitra	Kapoor	Engineer	
emp_id	f_name	l_name	job_type	salary
1	Arun	Khan	Manager	
3	Chitra	Kapoor	Engineer	
5	Emma	Dutt	Engineer	
4	Dheeraj	Mishra	Manager	
9	Mou	Bhat	Clerk	
4	Dheeraj	Mishra	Manager	
4	Dheeraj	Mishra	Manager	

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Showing rows 0 - 13 (14 total, Query took 0.0004 seconds.)

Showing rows 0 - 9 (10 total, Query took 0.0004 seconds.)

emp_id	f_name	l_name	job_type	salary
1	Arun	Khan	Manager	
2	Barun	Kumar	Manager	
3	Chitra	Kapoor	Engineer	
4	Dheeraj	Mishra	Manager	
5	Emma	Dutt	Engineer	
6	Floki	Dutt	Accountant	
7	Dheeraj	Kumar	Clerk	

emp_id	f_name	l_name	job_type	salary
1	Arun	Khan	Manager	
3	Chitra	Kapoor	Engineer	
5	Emma	Dutt	Engineer	
4	Dheeraj	Mishra	Manager	
9	Mou	Bhat	Clerk	
4	Dheeraj	Mishra	Manager	

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Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.

Showing rows 0 - 13 (14 total, Query took 0.0004 seconds.)

Showing rows 0 - 9 (10 total, Query took 0.0004 seconds.)

emp_id	f_name	l_name	job_type	salary
1	Arun	Khan	Manager	
2	Barun	Kumar	Manager	
3	Chitra	Kapoor	Engineer	
4	Dheeraj	Mishra	Manager	
5	Emma	Dutt	Engineer	
6	Floki	Dutt	Accountant	
7	Dheeraj	Kumar	Clerk	
8	Saul	Good	Engineer	
9	Mou	Bhat	Clerk	
10	Sunny	Deol	Salesman	
11	Bobby	Deol	Engineer	
12	Aamir	Khan	Salesman	
13	Raj	Chatterjee	Mechanic	
14	Rahul	Khan	Electrician	



Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.

Showing rows 0 - 12 (13 total, Query took 0.0004 seconds.)

-- d. Right outer join SELECT * FROM employee RIGHT OUTER JOIN department ON employee.dept = department.d_name;

emp_id	f_name	l_name	job_type	salary
6	Floki	Dutt	Accountant	
7	Dheeraj	Kumar	Clerk	
NULL	NULL	NULL	NULL	
2	Barun	Kumar	Manager	
10	Sunny	Deol	Salesman	

emp_id	f_name	l_name	job_type	salary
5	Emma	Dutt	Engineer	
6	Floki	Dutt	Accountant	
7	Dheeraj	Kumar	Clerk	
8	Saul	Good	Engineer	
9	Mou	Bhat	Clerk	
10	Sunny	Deol	Salesman	
11	Bobby	Deol	Engineer	
12	Aamir	Khan	Salesman	
13	Raj	Chatterjee	Mechanic	
14	Rahul	Khan	Electrician	
NULL	NULL	NULL	NULL	
NULL	NULL	NULL	NULL	
NULL	NULL	NULL	NULL	

-- e. Full outer join SELECT * FROM employee LEFT OUTER JOIN department ON employee.dept = department.d_name UNION SELECT * FROM employee RIGHT OUTER JOIN department ON employee.dept = department.d_name;

MySQL returned an empty result set (i.e. zero rows). (Query took 0.0001 seconds.)

emp_id	f_name	l_name	job_type	salary
1	Arun	Khan	Manager	
2	Barun	Kumar	Manager	
3	Chitra	Kapoor	Engineer	
4	Dheeraj	Mishra	Manager	

emp_id	f_name	l_name	job_type	salary
5	Emma	Dutt	Engineer	
6	Floki	Dutt	Accountant	
7	Dheeraj	Kumar	Clerk	
8	Saul	Good	Engineer	
9	Mou	Bhat	Clerk	
10	Sunny	Deol	Salesman	
11	Bobby	Deol	Engineer	
12	Aamir	Khan	Salesman	
13	Raj	Chatterjee	Mechanic	
14	Rahul	Khan	Electrician	
NULL	NULL	NULL	NULL	
NULL	NULL	NULL	NULL	
NULL	NULL	NULL	NULL	

```
-- e. Full outer join SELECT * FROM employee LEFT OUTER JOIN department ON employee.dept = department.d_name UNION SELECT * FROM employee RIGHT OUTER JOIN department ON employee.dept = department.d_name
```

MySQL returned an empty result set (i.e. zero rows). (Query took 0.0001 seconds.)

emp_id	f_name	l_name	job_type	salary
1	Arun	Khan	Manager	
2	Barun	Kumar	Manager	
3	Chitra	Kapoor	Engineer	
4	Dheeraj	Mishra	Manager	

