

Experiment 6

Query:

```
CREATE DATABASE emp1;
USE emp1;
CREATE TABLE emp(f_name CHAR(20),
    m_name CHAR(20),
    l_name CHAR(20),
    ssn INT NOT NULL,
    emp_dob DATE,
    address VARCHAR(20),
    gender CHAR(2),
    salary INT NOT NULL,
    superssn INT,
    d_no INT NOT NULL);
INSERT INTO emp(f_name,m_name,l_name,ssn,emp_dob,address,gender,salary,superssn,d_no)
VALUES('Tiger','Jakie','Shroff','123456789','1990-02-17','Neerav modi
colony','M','90000','143255111','5'),
('Amar','Akhbar','Sani','293753184','2000-03-20','Star colony','M','10000','143255111','5'),
('Jhonny','Steven','Singh','567489675','1986-05-10','Pudina colony','M','15000','143551341','4'),
('Vipin','Singh','Pundlik','763598243','1999-04-05','Vallabh nagar','F','85000','143255111','1'),
('Mallika','Singh','Patel','675384716','2002-03-15','Sunshine colony','F','50000',null,'5'),
('Ramesh','Suresh','Gupta','394821101','1989-02-02','Vaishali choak','M','35000','143255111','5'),
('Vaibhav','Rakesh','Rathore','394823231','1996-02-01','Pink colony','F','40000','143551341','4'),
('Anand','Ganesh','Tripathi','394231101','2000-4-10','Reddish nagar','M','30000','134255111','1);

SELECT * FROM emp;

CREATE TABLE department(Dname CHAR(20),Dnumber INT,MGRSSN INT,MGRSTARTDATE
DATE NOT NULL);

INSERT INTO department(Dname,Dnumber,MGRSSN,MGRSTARTDATE)
VALUES('Research',5,143255111,'1988-07-10'),
('Administration',4,143551341,'1992-05-12'),
('Headquarters',1,134255111,'1991-02-2');

SELECT *
FROM department;
-- DROP TABLE emp , department;
SELECT f_name,l_name,1.1*salary
FROM emp
INNER JOIN department ON emp.d_no=department.Dnumber
WHERE Dname='Research';

SELECT sum(salary),max(salary),min(salary),AVG(salary)
FROM emp
INNER JOIN department ON emp.d_no=department.Dnumber
WHERE Dname='Administration';
```

```
SELECT f_name,m_name,l_name FROM emp WHERE EXISTS(SELECT * WHERE d_no = 5);
```

```
SELECT f_name,l_name FROM emp WHERE emp_dob > '1990-01-01' AND emp_dob <'1990-12-31';
```

```
SELECT DISTINCT f_name,Dname FROM emp INNER JOIN department ON  
emp.d_no=department.Dnumber;
```

-- 6. Retrive the name of employee and their department name (using JOIN).

```
SELECT DISTINCT Dname, COUNT(*)  
FROM emp INNER JOIN  
department ON emp.d_no = department.Dnumber  
GROUP BY Dname  
HAVING COUNT(*) >= 2;
```

MySQL Workbench

Fri Mar 26 10:54:30 PM

41°C 44°C 34°C ✓ 3

MySQL Workbench

Local instance 3306

File Edit View Query Database Server Tools Scripting Help

Schemas

exp6*

Limit to 400 rows

49 • SELECT DISTINCT f_name,Dname FROM emp INNER JOIN department ON emp.d_no=department.Dnumber;

50

51 -- 6. Retrive the name of employee and their department name (using JOIN).

52 • SELECT DISTINCT Dname, COUNT(*)

53 FROM emp INNER JOIN

54 department ON emp.d_no = department.Dnumber

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

#	f_name	m_name	l_name	ssn	emp_dob	address	gender	salary	superssn	d_no
1	Tiger	Jakie	Shroff	123456789	1990-02-17	Neerav modi colony	M	90000	143255111	5
2	Amar	Akhbar	Sani	293753184	2000-03-20	Star colony	M	10000	143255111	5
3	Jhonny	Steven	Singh	567489675	1986-05-10	Pudina colony	M	15000	143551341	4
4	Vipin	Singh	Pundlik	763598243	1999-04-05	Vallabh nagar	F	85000	143255111	1
5	Mallika	Singh	Patel	675384716	2002-03-15	Sunshine colony	F	50000	NULL	5
6	Ramesh	Suresh	Gupta	394821101	1989-02-02	Vaishali choak	M	35000	143255111	5
7	Vaibhav	Rakesh	Rathore	394823231	1996-02-01	Pink colony	F	40000	143551341	4
8	Anand	Ganesh	Tripathi	394231101	2000-04-10	Reddish nagar	M	30000	134255111	1

Object Info

emp 19 department 20 Result 21 Result 22 Result 23 emp 24 Result 25 Result 26 Read Only

Action Output

Query Completed

MySQL Workbench

Fri Mar 26 10:54:32 PM

41°C 44°C 34°C ✓ 3

MySQL Workbench

Local instance 3306

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Schemas

SCHEMAS

Filter objects

sql_hr

sql_inventory

sql_invoicing

sql_store

sys

exp6*

Limit to 400 rows

49 • SELECT DISTINCT f_name,Dname FROM emp INNER JOIN department ON emp.d_no=department.Dnumber;

50

51 -- 6. Retrive the name of employee and their department name (using JOIN).

52 • SELECT DISTINCT Dname, COUNT(*)

53 FROM emp INNER JOIN

54 department ON emp.d_no = department.Dnumber

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

#	Dname	Dnumber	MGRSSN	MGRSTARTDATE
1	Research	5	143255111	1988-07-10
2	Administration	4	143551341	1992-05-12
3	Headquarters	1	134255111	1991-02-02

Object Info

emp 19 department 20 Result 21 Result 22 Result 23 emp 24 Result 25 Result 26 Read Only

Action Output

Query Completed

MySQL Workbench

Fri Mar 26 10:54:33 PM

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MySQL Workbench

Local instance 3306

File Edit View Query Database Server Tools Scripting Help

Schemas

exp6*

Limit to 400 rows

SCHEMAS

Filter objects

sql_hr

sql_inventory

sql_invoicing

sql_store

sys

49 •

50

51

52 •

53

54

SELECT DISTINCT f_name,Dname FROM emp INNER JOIN department ON emp.d_no=department.Dnumber;

-- 6. Retrive the name of employee and their department name (using JOIN).

SELECT DISTINCT Dname, COUNT(*)

FROM emp INNER JOIN

department ON emp.d_no = department.Dnumber

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

#	f_name	I_name	1.1*salary
1	Tiger	Shroff	99000.0
2	Amar	Sani	11000.0
3	Mallika	Patel	55000.0
4	Ramesh	Gupta	38500.0

Object Info

emp 19

department 20

Result 21

Result 22

Result 23

emp 24

Result 25

Result 26

Read Only

Action Output

Query Completed

MySQL Workbench

Fri Mar 26 10:54:34 PM

41°C 44°C 34°C ✓ 3

MySQL Workbench

Local instance 3306

File Edit View Query Database Server Tools Scripting Help

Schemas

SCHEMAS

Filter objects

sql_hr

sql_inventory

sql_invoicing

sql_store

sys

exp6*

Limit to 400 rows

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52 • SELECT DISTINCT Dname, COUNT(*)

53 FROM emp INNER JOIN

54 department ON emp.d_no = department.Dnumber

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

#	sum(salary)	max(salary)	min(salary)	AVG(salary)
1	55000	40000	15000	27500.0000

Object Info

emp 19

department 20

Result 21

Result 22

Result 23

emp 24

Result 25

Result 26

Read Only

Action Output

Query Completed

MySQL Workbench

Fri Mar 26 10:54:34 PM

40°C 44°C 34°C ✓ 3

MySQL Workbench

Local instance 3306

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Schemas

SCHEMAS

Filter objects

sql_hr

sql_inventory

sql_invoicing

sql_store

sys

exp6*

Limit to 400 rows

49 • SELECT DISTINCT f_name,Dname FROM emp INNER JOIN department ON emp.d_no=department.Dnumber;

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52 • SELECT DISTINCT Dname, COUNT(*)

53 FROM emp INNER JOIN

54 department ON emp.d_no = department.Dnumber

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

#	f_name	m_name	l_name
1	Tiger	Jakie	Shroff
2	Amar	Akhbar	Sani
3	Mallika	Singh	Patel
4	Ramesh	Suresh	Gupta

Object Info

emp 19

department 20

Result 21

Result 22

Result 23

emp 24

Result 25

Result 26

Read Only

Action Output

Query Completed

MySQL Workbench

Fri Mar 26 10:54:36 PM

40°C 44°C 34°C ✓ 3

MySQL Workbench

Local instance 3306

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Schemas

exp6*

Limit to 400 rows

49 • SELECT DISTINCT f_name,Dname FROM emp INNER JOIN department ON emp.d_no=department.Dnumber;

50

51 -- 6. Retrive the name of employee and their department name (using JOIN).

52 • SELECT DISTINCT Dname, COUNT(*)

53 FROM emp INNER JOIN

54 department ON emp.d_no = department.Dnumber

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

#	f_name	l_name
1	Tiger	Shroff

emp 19 department 20 Result 21 Result 22 Result 23 emp 24 Result 25 Result 26 Read Only

Action Output

Query Completed

MySQL Workbench

Fri Mar 26 10:54:37 PM

40°C 44°C 34°C ✓ 3

MySQL Workbench

Local instance 3306

File Edit View Query Database Server Tools Scripting Help

Schemas

SCHEMAS

Filter objects

sql_hr

sql_inventory

sql_invoicing

sql_store

sys

exp6*

Limit to 400 rows

49 • SELECT DISTINCT f_name,Dname FROM emp INNER JOIN department ON emp.d_no=department.Dnumber;

50

51 -- 6. Retrive the name of employee and their department name (using JOIN).

52 • SELECT DISTINCT Dname, COUNT(*)

53 FROM emp INNER JOIN

54 department ON emp.d_no = department.Dnumber

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

#	f_name	Dname
1	Tiger	Research
2	Amar	Research
3	Jhonny	Administration
4	Vipin	Headquarters
5	Mallika	Research
6	Ramesh	Research
7	Vaibhav	Administration
8	Anand	Headquarters

Object Info

emp 19 department 20 Result 21 Result 22 Result 23 emp 24 Result 25 Result 26

Action Output

Query Completed

MySQL Workbench

Fri Mar 26 10:54:38 PM

40°C 44°C 34°C ✓ 3

MySQL Workbench

Local instance 3306

File Edit View Query Database Server Tools Scripting Help

Schemas

SCHEMAS

Filter objects

sql_hr

sql_inventory

sql_invoicing

sql_store

sys

exp6*

Limit to 400 rows

49 • SELECT DISTINCT f_name,Dname FROM emp INNER JOIN department ON emp.d_no=department.Dnumber;

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51 -- 6. Retrive the name of employee and their department name (using JOIN).

52 • SELECT DISTINCT Dname, COUNT(*)

53 FROM emp INNER JOIN

54 department ON emp.d_no = department.Dnumber

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

#	Dname	COUNT(*)
1	Research	4
2	Administration	2
3	Headquarters	2

Object Info

emp 19 department 20 Result 21 Result 22 Result 23 emp 24 Result 25 Result 26 Read Only

Action Output

Query Completed