

1. mysql> create table employee(SSN char(10)Primary Key,FName char(10),Minit LName char(20),Address char(20),Sex char(1),Salary float(10,2),DNum int(10),BDate date);
Query OK, 0 rows affected (0.08 sec)

2. mysql>create table department(DNum int(10)Primary Key,DName Char(20),Startdate date, DLocatin char(20));
Query OK, 0 rows affected (0.08 sec)

3. mysql> create table project(PNum int(5)Primary Key,PName char(20),PLocation char(20),DNum int(10));
Query OK, 0 rows affected (0.08 sec)

4. mysql> create table workon(SrNo int(5)Primary Key,PNum int(5),SSN char(10),Hours float(3,2));
Query OK, 0 rows affected (0.08 sec)

5. mysql> create table dependent(SrNo int(5)Primary Key,SSN char(10),DependentName char(20),BDate date,Relation char(20), Sex char(1));
Query OK, 0 rows affected (0.08 sec)

6. mysql> alter table employee add foreign key(DNum) references department(DNum);
Query OK, 0 rows affected (0.07 sec)
Records: 0 Duplicates: 0 Warnings: 0

7. mysql> alter table department add foreign key(DNum) references workOn(DNum);Query OK, 0 rows affected (0.01 sec)
Records: 0 Duplicates: 0 Warnings: 0

8. mysql> alter table workOn add foreign key(PNum) references project(PNum);
Query OK, 0 rows affected (0.01 sec)
Records: 0 Duplicates: 0 Warnings: 0

9. mysql> alter table workOn add foreign key(SSN) references employee(SSN);
Query OK, 0 rows affected (0.02 sec)
Records: 0 Duplicates: 0 Warnings: 0

10. mysql> alter table dependent add foreign key(SSN) references employee(SSN);
Query OK, 0 rows affected (0.02 sec)
Records: 0 Duplicates: 0 Warnings: 0

11. mysql> desc employee;

Field	Type	Null	Key	Default	Extra
SSN	char(10)	NO	PRI	NULL	
FName	char(20)	NO		NULL	
Minit	char(1)	YES		NULL	

LName	char(20)	NO		NULL	
Address	char(20)	NO		NULL	
Sex	char(1)	YES		NULL	
Salary	float(10,2)	NO		NULL	
DNum	int(10)	YES	MUL	NULL	
BDate	date	NO		NULL	

9 rows in set (0.00 sec)

12. mysql> desc department;

Field	Type	Null	Key	Default	Extra
DNum	int(10)	NO	PRI	NULL	
DName	char(20)	YES	UNI	NULL	
Startdate	date	NO		NULL	
DLocation	char(20)	NO		NULL	

4 rows in set (0.00 sec)

13. mysql> desc project;

Field	Type	Null	Key	Default	Extra
PNum	int(5)	NO	PRI	NULL	
PName	char(20)	YES	UNI	NULL	
PLocation	char(20)	NO		NULL	
DNum	int(10)	YES	MUL	NULL	

4 rows in set (0.00 sec)

14. mysql> desc workon;

Field	Type	Null	Key	Default	Extra
SrNo	int(5)	NO	PRI	NULL	
PNum	int(5)	YES	MUL	NULL	
SSN	char(10)	YES	MUL	NULL	
Hours	float(3,2)	YES		NULL	

4 rows in set (0.00 sec)

15. mysql> desc dependent;

Field	Type	Null	Key	Default	Extra
SrNo	int(5)	NO	PRI	0	
SSN	char(10)	YES	MUL	NULL	
DependentName	char(20)	NO		NULL	
BDate	date	NO		NULL	
Relation	char(20)	NO		NULL	
Sex	char(1)	YES		NULL	

6 rows in set (0.00 sec)

```
mysql> Insert into department values(1,'Development','2000-09-03','Kolhapur');
Query OK, 1 row affected (0.00 sec)

mysql> Insert into department values(2,'Marketing','2001-08-07','Satara');
Query OK, 1 row affected (0.00 sec)

mysql> Insert into department values(3,'Research','2002-02-05','Pune');
Query OK, 1 row affected (0.00 sec)

mysql> Insert into department values(4,'Tester','2003-04-01','Mumbai');
Query OK, 1 row affected (0.00 sec)

mysql> Insert into department values(5,'Seller','2004-06-03','Sangli');
Query OK, 1 row affected (0.00 sec)
```

16. mysql> select * from department;

DNum	DName	Startdate	DLocation
1	Development	2000-09-03	Kolhapur
2	Marketing	2001-08-07	Satara
3	Research	2002-02-05	Pune
4	Tester	2003-04-01	Mumbai
5	Seller	2004-06-03	Sangli

5 rows in set (0.00 sec)

```
mysql> Insert into project values(1,'Project1','Kolhpur',1);
Query OK, 1 row affected (0.00 sec)

mysql> Insert into project values(2,'Project2','Satara',2);
Query OK, 1 row affected (0.00 sec)

mysql> Insert into project values(3,'Project3','Pune',3);
Query OK, 1 row affected (0.00 sec)

mysql> Insert into project values(4,'Project4','Mumbai',4);
Query OK, 1 row affected (0.00 sec)

mysql> Insert into project values(5,'Project5','Sangli',5);
Query OK, 1 row affected (0.00 sec)
```

17. mysql> select * from project;

PNum	PName	PLocation	DNum
1	Project1	Kolhpur	1
2	Project2	Satara	2
3	Project3	Pune	3
4	Project4	Mumbai	4
5	Project5	Sangli	5

```
+-----+-----+-----+-----+
```

```
5 rows in set (0.00 sec)
```

```
mysql> Insert into employee
```

```
values('ABC000001','Suyash','D','Jadhav','Kolhapur','M',50000,'1','2000-07-09');
```

```
Query OK, 1 row affected, 1 warning (0.00 sec)
```

```
mysql> Insert into employee
```

```
values('ABC000002','Viraj','C','Patil','Kolhapur','M',45000,'1','2000-04-19');
```

```
Query OK, 1 row affected, 1 warning (0.00 sec)
```

```
mysql> Insert into employee
```

```
values('ABC000003','Atharva','S','Jadhav','Parite','M',48000,'2','2001-02-22');
```

```
Query OK, 1 row affected, 1 warning (0.00 sec)
```

```
mysql> Insert into employee
```

```
values('ABC000004','Prathamesh','J','Ghunkikar','Kolhapur','M',51000,'2','2001-09-16');
```

```
Query OK, 1 row affected, 1 warning (0.00 sec)
```

```
mysql> Insert into employee
```

```
values('ABC000005','Vijay','A','Patil','Gudal','M',44000,'3','2001-09-06');
```

```
Query OK, 1 row affected (0.00 sec)
```

```
mysql> Insert into employee
```

```
values('ABC000006','Prasad','S','Sawant','Kolhapur','M',52000,'3','2000-04-27');
```

```
Query OK, 1 row affected (0.00 sec)
```

```
mysql> Insert into employee
```

```
values('ABC000007','Gunesh','S','Jadhav','Koulav','M',49000,'4','2000-01-26');
```

```
Query OK, 1 row affected (0.00 sec)
```

```
mysql> Insert into employee
```

```
values('ABC000008','Yash','D','Satpute','Mumbai','M',48000,'4','2000-07-24');
```

```
Query OK, 1 row affected (0.00 sec)
```

```
mysql> Insert into employee
```

```
values('ABC000009','Sarang','K','Shetake','Padali','M',50000,'5','2000-02-02');
```

```
Query OK, 1 row affected (0.00 sec)
```

```
mysql> Insert into employee
```

```
values('ABC000010','Yash','S','Patil','Pune','M',54000,'5','2000-09-24');
```

```
Query OK, 1 row affected (0.00 sec)
```

```
18.      mysql> select * from employee;
```

```
+-----+-----+-----+-----+-----+-----+-----+-----+
+-----+-----+
```

SSN	FName	Minit	LName	Address	Sex	Salary
DNum	BDate					
ABC000001	Suyash	D	Jadhav	Kolhapur	M	50000.00
1	2000-07-09					
ABC000002	Viraj	C	Patil	Kolhapur	M	45000.00
1	2000-04-19					
ABC000003	Atharva	S	Jadhav	Parite	M	48000.00
2	2001-02-22					
ABC000004	Prathamesh	J	Ghunkikar	Kolhapur	M	51000.00
2	2000-09-16					
ABC000005	Vijay	A	Patil	Gudal	M	44000.00
3	2000-09-06					
ABC000006	Prasad	S	Sawant	Kolhapur	M	52000.00
3	2000-04-27					
ABC000007	Gunesh	S	Jadhav	Koulav	M	49000.00
4	2000-01-26					
ABC000008	Yash	D	Satpute	Mumbai	M	48000.00
4	2000-07-24					
ABC000009	Sarang	K	Shetake	Padali	M	50000.00
5	2000-02-02					
ABC000010	Yash	S	Patil	Pune	M	54000.00
5	2000-09-24					

10 rows in set (0.00 sec)

```
mysql> insert into workon values(1,1,'ABC000001',9);
Query OK, 1 row affected, 1 warning (0.00 sec)
```

```
mysql> insert into workon values(2,1,'ABC000002',9);
Query OK, 1 row affected, 1 warning (0.00 sec)
```

```
mysql> insert into workon values(3,2,'ABC000003',9);
Query OK, 1 row affected, 1 warning (0.00 sec)
```

```
mysql> insert into workon values(4,2,'ABC000004',9);
Query OK, 1 row affected, 1 warning (0.00 sec)
```

```
mysql> insert into workon values(5,3,'ABC000005',9);
Query OK, 1 row affected, 1 warning (0.00 sec)
```

```
mysql> insert into workon values(6,3,'ABC000006',9);
Query OK, 1 row affected, 1 warning (0.00 sec)
```

```
mysql> insert into workon values(7,4,'ABC000007',9);
Query OK, 1 row affected, 1 warning (0.00 sec)
```

```
mysql> insert into workon values(8,4,'ABC000008',9);
Query OK, 1 row affected, 1 warning (0.00 sec)
```

```
mysql> insert into workon values(9,5,'ABC000009',9);
```

Query OK, 1 row affected, 1 warning (0.00 sec)

```
mysql> insert into workon values(10,5,'ABC000010',9);
```

Query OK, 1 row affected, 1 warning (0.00 sec)

19. mysql> select * from workon;

SrNo	PNum	SSN	Hours
1	1	ABC000001	9.00
2	1	ABC000002	9.00
3	2	ABC000003	9.00
4	2	ABC000004	9.00
5	3	ABC000005	9.00
6	3	ABC000006	9.00
7	4	ABC000007	9.00
8	4	ABC000008	9.00
9	5	ABC000009	9.00
10	5	ABC000010	9.00

10 rows in set (0.00 sec)

```
mysql> insert into dependent values(1,'ABC000001','Dipak','1970-09-20','Father','M');
```

Query OK, 1 row affected (0.00 sec)

```
mysql> insert into dependent values(2,'ABC000001','Swati','1980-03-04','Mother','F');
```

Query OK, 1 row affected (0.00 sec)

```
mysql> insert into dependent values(3,'ABC000001','Disha','2004-04-06','Sister','F');
```

Query OK, 1 row affected (0.00 sec)

```
mysql> insert into dependent values(4,'ABC000002','Chandralant','1971-08-05','Father','M');
```

Query OK, 1 row affected (0.00 sec)

```
mysql> insert into dependent values(5,'ABC000002','Namrata','1982-01-10','Mother','F');
```

Query OK, 1 row affected (0.00 sec)

```
mysql> insert into dependent values(6,'ABC000002','Ronak','2005-06-16','Brother','M');
```

Query OK, 1 row affected (0.00 sec)

```
mysql> insert into dependent values(7,'ABC000003','Subhash','1970-05-19','Father','M');
```

Query OK, 1 row affected (0.00 sec)

```
mysql> insert into dependent values(8,'ABC000003','Archana','1981-07-08','Mother','F');
```

Query OK, 1 row affected (0.00 sec)

```
mysql> insert into dependent values(9,'ABC000003','Gargi','2007-03-01','Sister','F');
Query OK, 1 row affected (0.00 sec)

mysql> insert into dependent values(10,'ABC000004','Jitendra','1971-11-06','Father','M');
Query OK, 1 row affected (0.00 sec)

mysql> insert into dependent values(11,'ABC000004','Kavita','1981-1-05','Mother','F');
Query OK, 1 row affected (0.00 sec)

mysql> insert into dependent values(12,'ABC000004','Apurva','2000-03-07','Sister','F');
Query OK, 1 row affected (0.00 sec)

mysql> insert into dependent values(13,'ABC000005','Ambaji','1970-09-15','Father','M');
Query OK, 1 row affected (0.00 sec)

mysql> insert into dependent values(14,'ABC000005','Sharmali','1982-07-22','Mother','F');
Query OK, 1 row affected (0.00 sec)

mysql> insert into dependent values(15,'ABC000005','Jay','2000-09-06','Brother','M');
Query OK, 1 row affected (0.00 sec)

mysql> insert into dependent values(16,'ABC000006','Satish','1971-12-13','Father','M');
Query OK, 1 row affected (0.00 sec)

mysql> insert into dependent values(17,'ABC000006','Sangita','1981-03-01','Mother','F');
Query OK, 1 row affected (0.00 sec)

mysql> insert into dependent values(18,'ABC000006','Aakansha','1996-10-03','Sister','F');
Query OK, 1 row affected (0.00 sec)

mysql> insert into dependent values(19,'ABC000007','Satish','1972-08-21','Father','M');
Query OK, 1 row affected (0.00 sec)

mysql> insert into dependent values(20,'ABC000007','Manisha','1982-05-06','Mother','F');
Query OK, 1 row affected (0.00 sec)

mysql> insert into dependent values(21,'ABC000007','Siddhi','2007-04-12','Sister','F');
Query OK, 1 row affected (0.00 sec)
```

```

mysql> insert into dependent values(22,'ABC000008','Dinesh','1972-02-18','Father','M');
Query OK, 1 row affected (0.00 sec)

mysql> insert into dependent values(23,'ABC000008','Sujata','1983-07-07','Mother','F');
Query OK, 1 row affected (0.00 sec)

mysql> insert into dependent values(24,'ABC000008','Kshitija','1997-08-20','Sister','F');
Query OK, 1 row affected (0.00 sec)

mysql> insert into dependent values(25,'ABC000009','Krushnat','1970-01-11','Father','M');
Query OK, 1 row affected (0.00 sec)

mysql> insert into dependent values(26,'ABC000009','Nandini','1980-02-09','Mother','F');
Query OK, 1 row affected (0.00 sec)

mysql> insert into dependent values(27,'ABC000009','Pradnya','2002-04-25','Sister','F');
Query OK, 1 row affected (0.00 sec)

mysql> insert into dependent values(28,'ABC000010','Sarjerao','1970-12-04','Father','M');
Query OK, 1 row affected (0.00 sec)

mysql> insert into dependent values(29,'ABC000010','Surekha','1979-10-02','Mother','F');
Query OK, 1 row affected (0.00 sec)

mysql> insert into dependent values(30,'ABC000010','Nikita','1995-09-07','Sister','F');
Query OK, 1 row affected (0.00 sec)

```

20. mysql> select * from dependent;

SrNo	SSN	DependentName	BDate	Relation	Sex
1	ABC000001	Dipak	1970-09-20	Father	M
2	ABC000001	Swati	1980-03-04	Mother	F
3	ABC000001	Disha	2004-04-06	Sister	F
4	ABC000002	Chandralant	1971-08-05	Father	M
5	ABC000002	Namrata	1982-01-10	Mother	F
6	ABC000002	Ronak	2005-06-16	Brother	M
7	ABC000003	Subhash	1970-05-19	Father	M
8	ABC000003	Archana	1981-07-08	Mother	F
9	ABC000003	Gargi	2007-03-01	Sister	F
10	ABC000004	Jitendra	1971-11-06	Father	M
11	ABC000004	Kavita	1981-01-05	Mother	F
12	ABC000004	Apurva	2000-03-07	Sister	F
13	ABC000005	Ambaji	1970-09-15	Father	M
14	ABC000005	Sharmali	1982-07-22	Mother	F

15	ABC000005	Jay	2000-09-06	Brother	M	
16	ABC000006	Satish	1971-12-13	Father	M	
17	ABC000006	Sangita	1981-03-01	Mother	F	
18	ABC000006	Aakansha	1996-10-03	Sister	F	
19	ABC000007	Satish	1972-08-21	Father	M	
20	ABC000007	Manisha	1982-05-06	Mother	F	
21	ABC000007	Siddhi	2007-04-12	Sister	F	
22	ABC000008	Dinesh	1972-02-18	Father	M	
23	ABC000008	Sujata	1983-07-07	Mother	F	
24	ABC000008	Kshitija	1997-08-20	Sister	F	
25	ABC000009	Krushnat	1970-01-11	Father	M	
26	ABC000009	Nandini	1980-02-09	Mother	F	
27	ABC000009	Pradnya	2002-04-25	Sister	F	
28	ABC000010	Sarjerao	1970-12-04	Father	M	
29	ABC000010	Surekha	1979-10-02	Mother	F	
30	ABC000010	Nikita	1995-09-07	Sister	F	

30 rows in set (0.00 sec)

21. mysql> select * from employee;

SSN	FName	Minit	LName	Address	Sex	Salary
DNum	BDate					
ABC000001	Suyash	D	Jadhav	Kolhapur	M	50000.00
1	2000-07-09					
ABC000002	Viraj	C	Patil	Kolhapur	M	45000.00
1	2000-04-19					
ABC000003	Atharva	S	Jadhav	Parite	M	48000.00
2	2001-02-22					
ABC000004	Prathamesh	J	Ghunkikar	Kolhapur	M	51000.00
2	2000-09-16					
ABC000005	Vijay	A	Patil	Gudal	M	44000.00
3	2000-09-06					
ABC000006	Prasad	S	Sawant	Kolhapur	M	52000.00
3	2000-04-27					
ABC000007	Gunesh	S	Jadhav	Koulav	M	49000.00
4	2000-01-26					
ABC000008	Yash	D	Satpute	Mumbai	M	48000.00
4	2000-07-24					
ABC000009	Sarang	K	Shetake	Padali	M	50000.00
5	2000-02-02					
ABC000010	Yash	S	Patil	Pune	M	54000.00
5	2000-09-24					

10 rows in set (0.00 sec)

22. mysql> select SSN,LName,FName,Address from employee where (DNum=5);

SSN	LName	FName	Address
-----	-------	-------	---------

```

+-----+-----+-----+-----+
| ABC000009 | Shetake | Sarang | Padali |
| ABC000010 | Patil   | Yash   | Pune   |
+-----+-----+-----+-----+
2 rows in set (0.02 sec)

```

```

23.      mysql> select FName,LName,Salary from employee ;
+-----+-----+-----+
| FName      | LName      | Salary  |
+-----+-----+-----+
| Suyash     | Jadhav     | 50000.00 |
| Viraj      | Patil      | 45000.00 |
| Atharva    | Jadhav     | 48000.00 |
| Prathamesh | Ghunkikar  | 51000.00 |
| Vijay      | Patil      | 44000.00 |
| Prasad     | Sawant     | 52000.00 |
| Gunesh     | Jadhav     | 49000.00 |
| Yash       | Satpute    | 48000.00 |
| Sarang     | Shetake    | 50000.00 |
| Yash       | Patil      | 54000.00 |
+-----+-----+-----+
10 rows in set (0.00 sec)

```

```

24.      mysql> select FName,MInit,LName from employee where
           Address='Kolhapur' ;
+-----+-----+-----+
| FName      | MInit      | LName      |
+-----+-----+-----+
| Suyash     | D          | Jadhav     |
| Viraj      | C          | Patil      |
| Prathamesh | J          | Ghunkikar  |
| Prasad     | S          | Sawant     |
+-----+-----+-----+
4 rows in set (0.00 sec)

```

```

25.      mysql> select Bdate, Address from employee where
           FName='Suyash';
+-----+-----+
| Bdate      | Address    |
+-----+-----+
| 2000-07-09 | Kolhapur   |
+-----+-----+
1 row in set (0.00 sec)

```

```

26.      mysql> select FName,MInit,LName from employee where BDate
           like '2000%' ;
+-----+-----+-----+
| FName      | MInit      | LName      |
+-----+-----+-----+
| Suyash     | D          | Jadhav     |
| Viraj      | C          | Patil      |
| Prathamesh | J          | Ghunkikar  |
| Vijay      | A          | Patil      |
+-----+-----+-----+

```

Prasad	S	Sawant
Gunesh	S	Jadhav
Yash	D	Satpute
Sarang	K	Shetake
Yash	S	Patil

9 rows in set, 1 warning (0.00 sec)

27. mysql> select * from employee where Salary between 40000 and 50000 and (DNum=5);

SSN	FName	Minit	LName	Address	Sex	Salary	DNum
ABC000009	Sarang	K	Shetake	Padali	M	50000.00	5

1 row in set (0.00 sec)

28. mysql> select DISTINCT salary from employee;

salary
50000.00
45000.00
48000.00
51000.00
44000.00
52000.00
49000.00
54000.00

8 rows in set (0.00 sec)

29. mysql> select SSN,DName from employee,department where employee.DNum=department.DNum;

SSN	DName
ABC000001	Development
ABC000002	Development
ABC000003	Marketing
ABC000004	Marketing
ABC000005	Research
ABC000006	Research
ABC000007	Tester
ABC000008	Tester
ABC000009	Seller
ABC000010	Seller

10 rows in set (0.00 sec)

```

30.      mysql> select FName,LName,Address from employee,department
           where employee.DNum=department.DNum AND DName='Research';
+-----+-----+-----+
| FName | LName | Address |
+-----+-----+-----+
| Vijay | Patil | Gudal   |
| Prasad | Sawant | Kolhapur |
+-----+-----+-----+
2 rows in set (0.00 sec)

31.      mysql> select PName,DName,LName,FName,Address,BDate from
           employee,department,project where employee.DNum=department.DNum AND
           project.DNum=department.DNum and PLocation='Pune';
+-----+-----+-----+-----+-----+-----+
| PName | DName | LName | FName | Address | BDate |
+-----+-----+-----+-----+-----+-----+
| Project3 | Research | Patil | Vijay | Gudal | 2000-09-06 |
| Project3 | Research | Sawant | Prasad | Kolhapur | 2000-04-27 |
+-----+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)

32.      mysql> select FName,LName,DName from employee,department
           where employee.DNum=department.DNum ;
+-----+-----+-----+
| FName | LName | DName |
+-----+-----+-----+
| Suyash | Jadhav | Development |
| Viraj | Patil | Development |
| Atharva | Jadhav | Marketing |
| Prathamesh | Ghunkikar | Marketing |
| Vijay | Patil | Research |
| Prasad | Sawant | Research |
| Gunesh | Jadhav | Tester |
| Yash | Satpute | Tester |
| Sarang | Shetake | Seller |
| Yash | Patil | Seller |
+-----+-----+-----+
10 rows in set (0.00 sec)

33.      mysql> select PName,FName from employee,project,workon where
           employee.SSN=workon.SSN and workon.PNum=project.PNum and
           LName='Patil';
+-----+-----+
| PName | FName |
+-----+-----+
| Project1 | Viraj |
| Project3 | Vijay |
| Project5 | Yash |
+-----+-----+
3 rows in set (0.00 sec)

mysql>

```

```
(select FName,LName from employee,project,workon where
employee.SSN=workon.SSN and workon.PNum=project.PNum and
PName='Project2');
```

```
+-----+-----+
| FName      | LName      |
+-----+-----+
| Prathamesh | Ghunkikar  |
+-----+-----+
```

```
34.      mysql> Update employee set Salary=(Salary+(Salary*0.15))
        where SSN=(select SSN from project,workon where
        workon.PNum=project.PNum and PName='Project2');
Query OK, 1 row affected (0.00 sec)
Rows matched: 1  Changed: 1  Warnings: 0
```

```
35.      mysql> select FName,LName,Salary from employee,project,workon
        where employee.SSN=workon.SSN and workon.PNum=project.PNum and
        PName='Project2';
```

```
+-----+-----+-----+
| FName      | LName      | Salary    |
+-----+-----+-----+
| Prathamesh | Ghunkikar  | 67447.50 |
+-----+-----+-----+
1 row in set (0.00 sec)
```

```
36.      mysql> select FName,DName from department,employee where
        employee.DNum=department.DNum Order By DName, FName;
```

```
+-----+-----+
| FName      | DName      |
+-----+-----+
| Suyash     | Development |
| Viraj      | Development |
| Atharva    | Marketing   |
| Prathamesh | Marketing   |
| Prasad     | Research    |
| Vijay      | Research    |
| Sarang     | Seller      |
| Yash       | Seller      |
| Gunesh     | Tester      |
| Yash       | Tester      |
+-----+-----+
10 rows in set (0.00 sec)
```

```
37.      mysql> select Max(Salary) as 'Maximum Salary among all
        employees' from employee;
```

```
+-----+
| Maximum Salary among all employees |
+-----+
|                                     | 67447.50 |
+-----+
1 row in set (0.00 sec)
```

```

38.      mysql> select Min(Salary)as 'Minimum Salary among all
           employees' from employee;
+-----+
| Minimum Salary among all employees |
+-----+
|                                44000.00 |
+-----+
1 row in set (0.00 sec)

```

```

39.      mysql> select Avg(Salary)as 'Average Salary among all
           employees' from employee;
+-----+
| Average Salary among all employees |
+-----+
|                                51464.750000 |
+-----+
1 row in set (0.00 sec)

```

```

40.      mysql> select SUM(Salary) as 'Sum Salary among all employees'
           from employee;
+-----+
| Sum Salary among all employees |
+-----+
|                                514647.50 |
+-----+
1 row in set (0.00 sec)

```

```

41.      mysql> select FName,MInit,LName from employee where
           Salary>=(Select AVG(Salary)from employee where DNum=3);
+-----+-----+-----+
| FName      | MInit | LName      |
+-----+-----+-----+
| Suyash     | D     | Jadhav     |
| Atharva    | S     | Jadhav     |
| Prathamesh | J     | Ghunkikar  |
| Prasad     | S     | Sawant     |
| Gunesh     | S     | Jadhav     |
| Yash       | D     | Satpute    |
| Sarang     | K     | Shetake    |
| Yash       | S     | Patil      |
+-----+-----+-----+
8 rows in set (0.04 sec)

```

```

42.      mysql> select DName,Sum(Salary)as'Sum Salary of all
           employees' from employee,department where employee.DNum and
           DName='Marketing';
+-----+-----+
| DName      | Sum Salary of all employees |
+-----+-----+
| Marketing  |                                514647.50 |
+-----+-----+
1 row in set (0.00 sec)

```

43. mysql> select DName,MAX(Salary)as'Maximum Salary of all employees' from employee,department where employee.DNum and DName='Marketing';

```
+-----+-----+
| DName      | Maximum Salary of all employees |
+-----+-----+
| Marketing  |          67447.50 |
+-----+-----+
1 row in set (0.00 sec)
```

44. mysql> select DName,AVG(Salary)as'Average Salary of all employees' from employee,department where employee.DNum and DName='Marketing';

```
+-----+-----+
| DName      | Average Salary of all employees |
+-----+-----+
| Marketing  |          51464.750000 |
+-----+-----+
1 row in set (0.00 sec)
```