

Exp-2

- create databax company;
- use company;
- Create table employee (Fname varchar (25), Mname varchar (25), Lname varchar (25), SSN int not null, B date, date, Address varchar (50), Sex char (1), Salary float, super SSN int, Dno int);
- Create table department (Dname varchar (25), Dnumber int, Mgr SSN int, MgrStartDate date);
- Create table department_location (Dnumber int, Dlocation int);
- Create table project (Pname varchar (25), Pnumber bigint, Plocation int, Dnum int);
- Create table work-on (ESSN, int, Pno bigint, Hours time);
- alter table employee add primary key (SSN);
- Alter table department add primary key (dnumber);
- Alter table department_location add primary key (dnumber);

- alter table projects add primary key (prnumba);
- alter table work-on add primary key (essn);
- show tables;
- Desc employee;
- Desc department;
- Desc department_location;
- Desc project;
- Desc work-on;
- insert into department values
 - > ('Research', '1000', '101', '2013-03-11'),
 - > ('production', '1003', '102', '2012-02-20'),
 - > ('Logistics', '1002', '104', '2014-04-24'),
 - > ('Sales', '1005', '106', '2014-04-25');
- insert into employee values
 - > ('Abhinav', 'U', 'K', '301', '2000-09-08', 'Karnate', 'M', 100000, 401, 1002);
 - > ('achary', 'asadhu', 'ganapathi', '303', '1999-09-28', 'Allapuzha', 'M', 100000, 402, 10003);
 - > ('Jobin', 'raj', '304', '2001-01-28', 'Mallapuram', 'M', 150000, 404, 1001);
 - > ('Vismaya', 'U', 'K', '305', '1998-03-23', 'Mumbai', 'F', 85000, 405, 1005);

→ insert into department_location values

→ (1001, 501),

→ (1002, 502),

→ (1003, 503),

→ (1004, 504),

→ (1005, 505);

→ insert into project values

→ (001, 78987897, 5001, 1001),

→ (002, 78987891, 5002, 1002),

→ (003, 78987893, 5003, 1003),

→ (004, 7298221, 5004, 1004),

→ (005, 7298223, 5005, 1005);

→ insert into work_on values

→ (601, 78987897, '22:02:59'),

→ (602, 78987891, '20:05:59'),

→ (603, 78987893, '10:05:00'),

→ (604, 7298221, '44:09:00'),

→ (605, 7298223, '30:01:01');

→ select * from employee;

→ select * from department;

→ select * from department_location;

→ select * from work_on;

→ select * from project;

→ select min(salary), max(salary), avg(salary)
from employee;

→ select max(salary), min(salary), avg(salary) from employee where dno = (select dnumber from department where dname = 'research');

→ select count(ssn) from employee;

→ select count(dname) from department where dname = 'research';

→ Drop database company;

```
mysql> create database company;
Query OK, 1 row affected (0.01 sec)

mysql> use company;
Database changed
mysql> create table employee (Fname varchar(25),Mname varchar(25),Lname varchar(25),SSN int not null,Bdate date, Address varchar(50),Sex char(1),Salary float
,SuperSSN int,Dno int);
Query OK, 0 rows affected (0.05 sec)

mysql> create table department (Dname varchar(25),Dnumber int, MgrSSN int, MgrStartDate date);
Query OK, 0 rows affected (0.07 sec)

mysql> create table department_location (Dnumber int, DLocation int);
Query OK, 0 rows affected (0.21 sec)

mysql> create table project(Pname varchar(25), Pnumber bigint, Plocation int, Dnum int);
Query OK, 0 rows affected (0.18 sec)

mysql> create table work_on(ESSN int, Pno bigint, Hours time);
Query OK, 0 rows affected (0.09 sec)

mysql> alter table employee add primary key(ssn);
Query OK, 0 rows affected (0.09 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> alter table department add primary key(dnumber);
Query OK, 0 rows affected (0.09 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> alter table department_location add primary key(dnumber);
Query OK, 0 rows affected (0.11 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> alter table project add primary key(pnumber);
Query OK, 0 rows affected (0.10 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> alter table work_on add primary key(ESSN);
Query OK, 0 rows affected (0.09 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> show tables;
+-----+
| Tables_in_company |
+-----+
| department         |
| department_location |
| employee           |
| project            |
| work_on            |
+-----+
```



```
mysql> desc employee;
```

Field	Type	Null	Key	Default	Extra
Fname	varchar(25)	YES	PRI	NULL	
Mname	varchar(25)	YES		NULL	
Lname	varchar(25)	YES		NULL	
SSN	int	NO		NULL	
Bdate	date	YES		NULL	
Address	varchar(50)	YES		NULL	
Sex	char(1)	YES		NULL	
Salary	float	YES		NULL	
SuperSSN	int	YES		NULL	
Dno	int	YES		NULL	

```
10 rows in set (0.01 sec)
```

```
mysql> desc department;
```

Field	Type	Null	Key	Default	Extra
Dname	varchar(25)	YES	PRI	NULL	
Dnumber	int	NO		NULL	
MgrSSN	int	YES		NULL	
MgrStartDate	date	YES		NULL	

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

```
mysql> desc department_location;
```

Field	Type	Null	Key	Default	Extra
Dnumber	int	NO	PRI	NULL	
DLocation	int	YES		NULL	

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

```
mysql> desc project;
```

Field	Type	Null	Key	Default	Extra
Pname	varchar(25)	YES	PRI	NULL	
Pnumber	bigint	NO		NULL	
Plocation	int	YES		NULL	
Dnum	int	YES		NULL	

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

```
mysql> desc work_on;
```

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



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11-Oct-20

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```
mysql> desc work_on;
```

Field	Type	Null	Key	Default	Extra
ESSN	int	NO	PRI	NULL	
Pno	bigint	YES		NULL	
Hours	time	YES		NULL	

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

```
mysql> insert into department values
```

```
-> ('Research',1001,101,'2013-03-11'),  
-> ('production',1003,102,'2012-02-20'),  
-> ('logistics',1002,104,'2014-04-24'),  
-> ('sales',1005,106,'2014-04-25');
```

```
Query OK, 4 rows affected (0.01 sec)
```

```
Records: 4 Duplicates: 0 Warnings: 0
```

```
mysql> ^C
```

```
mysql> insert into employee values
```

```
-> ('Abhinav','u','','301','2000-09-08','kannur','M',100000,401,1002),  
-> ('achary','anadhu','ganapathi',303,'1999-09-28','Allapuzha','M',70000,402,1003),  
-> ('jobin','raj','','304','2001-01-28','MAllapuram','M',75000,404,1001),  
-> ('vismaya','u','k',305,'1998-03-23','mumbai','F',85000,405,1005);
```

```
Query OK, 4 rows affected (0.01 sec)
```

```
Records: 4 Duplicates: 0 Warnings: 0
```

```
mysql> insert into department_location values
```

```
-> ^C
```

```
mysql> (1001,'501'),
```

```
-> -> (1002,'502'),
```

```
-> (1001,'501'),^C
```

```
mysql> insert into department_location values
```

```
-> (1001,'501'),
```

```
-> (1002,'502'),
```

```
-> (1003,'503')
```

```
-> (1004,'504'),
```

```
-> ^C
```

```
mysql> insert into department_location values
```

```
-> (1001,'501'),
```

```
-> (1002,'502'),
```

```
-> (1003,'503'),
```

```
-> (1004,'504'),
```

```
-> (1005,'506');
```

```
Query OK, 5 rows affected (0.01 sec)
```

```
Records: 5 Duplicates: 0 Warnings: 0
```

```
mysql> insert into project values
```

```
-> (001,78987897,'5001',1001),
```

```
-> (002,78987322,'5002',1002),
```



```
mysql> insert into project values
```

```
-> (001,78987897,'5001',1001),  
-> (002,78987322,'5002',1002),  
-> (003,72987322,'5003',1003),  
-> (004,72987321,'5004',1004),  
-> (005,72987329,'5005',1005);
```

```
Query OK, 5 rows affected (0.01 sec)
```

```
Records: 5  Duplicates: 0  Warnings: 0
```

```
mysql> insert into work_on values
```

```
-> (601,78987897,'22:02:59'),  
-> (603,78987322,'20:05:59'),  
-> (602,72987322,'10:05:00'),  
-> (604,72987321,'44:09:00'),  
-> (605,72987329,'30:01:01');
```

```
Query OK, 5 rows affected (0.01 sec)
```

```
Records: 5  Duplicates: 0  Warnings: 0
```

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

Fname	Mname	Lname	SSN	Bdate	Address	Sex	Salary	SuperSSN	Dno
Abhinav	u		301	2000-09-08	kannur	M	100000	401	1002
achary	anadhu	ganapathi	303	1999-09-28	Allapuzha	M	70000	402	1003
jobin	raj		304	2001-01-28	MAllapuram	M	75000	404	1001
vismaya	u	k	305	1998-03-23	mumbai	F	85000	405	1005

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

```
mysql> select *from department;
```

Dname	Dnumber	MgrSSN	MgrStartDate
Research	1001	101	2013-03-11
logistics	1002	104	2014-04-24
production	1003	102	2012-02-20
sales	1005	106	2014-04-25

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

```
mysql> select *from department_location;
```

Dnumber	DLocation
1001	501
1002	502
1003	503
1004	504
1005	506




```
mysql> select *from work_on;
```

ESSN	Pno	Hours
601	78987897	22:02:59
602	72987322	10:05:00
603	78987322	20:05:59
604	72987321	44:09:00
605	72987329	30:01:01

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

```
mysql> select *from project;
```

Pname	Pnumber	Plocation	Dnum
4	72987321	5004	1004
3	72987322	5003	1003
5	72987329	5005	1005
2	78987322	5002	1002
1	78987897	5001	1001

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

```
mysql> select max(salary),min(salary),avg(salary) from employee;
```

max(salary)	min(salary)	avg(salary)
100000	70000	82500

```
1 row in set (0.00 sec)
```

```
mysql> select max(salary),min(salary),avg(salary) from employee where  
-> dno=(select dnumber from department where dname='research');
```

max(salary)	min(salary)	avg(salary)
75000	75000	75000

```
1 row in set (0.00 sec)
```

```
mysql> select count(SSN) from employee;
```

count(SSN)
4

```
1 row in set (0.00 sec)
```

```
mysql> select count(dname) from department where dname='research';
```

```
mysql> select count(dname) from department where dname='research';
```

```
+-----+  
| count(dname) |  
+-----+  
|          1 |  
+-----+
```

```
1 row in set (0.00 sec)
```

```
mysql>
```



Type here to search

