

Ex-3

- create database job;
- Use job
- create table emp (eid int, ename varchar(30), age int, salary float);
- create table manager (mname varchar(30), ~~managerid~~ managerid int);
- create table dept (did int, budget float, managerid int);
- alter table emp add primary key (eid);
- alter table dept add primary key (did);
- ~~alter primary key did~~
- alter table ~~dept~~ ^{manager} add primary key (~~managerid~~);
- alter table works
 - add foreign key (eid) references emp (eid);
 - add foreign key (did) reference dept (did);
- alter table dept
 - add foreign key (managerid) references manager (managerid);
- alter table emp
 - modify ename varchar(30) not null;
 - modify age int not null;

→ modify salary float not null;

→ alter table manager modify name varchar(30) not null

→ alter table works modify pvt-time int not null;

→ alter table emp add check (age) = 20;

→ insert into emp values.

→ (5533, 'abany', 22, 20000);

→ (2277, 'anwar', 23, 40000);

→ (7741, 'joey', 21, 30000);

→ (6622, 'rahul', 21, 40000);

→ (9944, 'sachin', 22, 50000);

→ insert into works values

→ (5533, null, 60);

→ (2277, 4444, 70);

→ (7711, 2222, 60);

→ (6622, 7777, 70);

→ (9944, 3333, 50);

→ insert into manager values.

→ ('gareeb', 2212);

→ ('rajesh', 3313);

→ ('rahul', 4414);

→ ('devika', 5515);

→ ('priya', 6616);

→ insert into dept values

→ (111, 200000, 2212),

→ (4444, 300000, 5115),

→ (2222, 400000, 6612),

→ (3333, 300000, 4414),

→ (7777, 600000, 3313);

→ insert into emp values

→ (5533, 'abany', 22, 300000),

→ (2277, 'amran', 23, 400000),

→ (7711, 'joey', 21, 30000),

→ (6622, 'sahnel', 21, 40000),

→ (9944, 'sahul', 22, 50000);

→ insert into works values.

→ (5533, 111, 60),

→ (2277, 4444, 70),

→ (7711, 2222, 60),

→ (6622, 7777, 70),

→ (9944, 3333, 50);

→ alter table emp add check (salary) = 10000,

~~→ alter table emp.~~

→ update emp.

→ set salary = 10000 where eid = 5523;

→ update emp

→ set salary = 15000 where eid = 7711;

→ select eid, ename from emp where salary > 20000;

→ alter table work add constraint eid
foreign key (eid) reference emp(eid)
on delete cascade;

→ delete from emp where salary = 150000;

→ select * from emp;

→ select * from work;

→ alter table emp add date unique;

→ desc emp;

→ desc manager;

→ desc work;

→ desc dept;

→ select ename from emp order by salary;

→ drop table work;

→ drop table dept;

→ drop table emp;

→ drop table manager;

```
mysql> create database job;
Query OK, 1 row affected (0.03 sec)

mysql> use job
Database changed
mysql> create table emp(
  -> eid int,
  -> ename varchar(30),
  -> age int,
  -> salary float);
Query OK, 0 rows affected (0.28 sec)

mysql> create table manager(
  -> mname varchar(30),
  -> managerid int);
Query OK, 0 rows affected (0.21 sec)

mysql> create table works(
  -> eid int,
  -> did int,
  -> pct_time int);
Query OK, 0 rows affected (0.47 sec)

mysql> create table dept(
  -> did int,
  -> budget float,
  -> managerid int);
Query OK, 0 rows affected (0.17 sec)

mysql> alter table emp
  -> add primary key(eid);
Query OK, 0 rows affected (0.43 sec)
Records: 0  Duplicates: 0  Warnings: 0

mysql> alter table dept
  -> add primary key(did);
Query OK, 0 rows affected (0.43 sec)
Records: 0  Duplicates: 0  Warnings: 0

mysql> alter table manager
  -> add primary key(managerid);
Query OK, 0 rows affected (0.22 sec)
Records: 0  Duplicates: 0  Warnings: 0

mysql>
```



```
mysql> alter table emp
-> add primary key(eid);
Query OK, 0 rows affected (0.43 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> alter table dept
-> add primary key(did);
Query OK, 0 rows affected (0.43 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> alter table manager
-> add primary key(managerid);
Query OK, 0 rows affected (0.22 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> alter table works
-> add foreign key(eid) references emp(eid),
-> add foreign key(did) references dept(did);
Query OK, 0 rows affected (0.85 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> alter table dept
-> add foreign key(managerid) references manager(managerid);
Query OK, 0 rows affected (0.97 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> alter table emp
-> modify ename varchar(30) not null,
-> modify age int not null,
-> modify salary float not null;
Query OK, 0 rows affected (1.02 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> alter table manager
-> modify mname varchar(30) not null,
-> ;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version fo
r the right syntax to use near ';' at line 2
mysql> alter table manager
-> modify mname varchar(30) not null;
Query OK, 0 rows affected (1.08 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> alter table works
-> modify pct_time int not null;
Query OK, 0 rows affected (0.46 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> alter table emp
-> add check (age>=20);
Query OK, 0 rows affected (1.14 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql>
```

MySQL 8.0 Command Line Client

EN English (United States) US ? He

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

mysql> insert into emp values
-> (5533,'achary',22,30000),
-> (2277,'aswani',23,40000),
-> (7711,'joey',21,30000),
-> (6622,'rachael',21,40000),
-> (9944,'rahul',22,50000);
Query OK, 5 rows affected (0.27 sec)
Records: 5 Duplicates: 0 Warnings: 0

mysql> insert into works values
-> (5533,1111,60),
-> (2277,4444,70),
-> (7711,2222,60),
-> (6622,7777,70),
-> (9944,3333,50);
Query OK, 5 rows affected (0.81 sec)
Records: 5 Duplicates: 0 Warnings: 0

mysql> alter table emp
-> add check (salary)>=10000;
Query OK, 5 rows affected (1.91 sec)
Records: 5 Duplicates: 0 Warnings: 0

mysql> alter table emp
-> set salary=10000 where eid=5533;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version fo
r the right syntax to use near 'set salary=10000 where eid=5533' at line 2
mysql> update table emp
-> set salary=10000 where eid=5533;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version fo
r the right syntax to use near 'table emp
set salary=10000 where eid=5533' at line 1
mysql> update emp
-> set salary=10000 where eid=5533;
Query OK, 1 row affected (0.06 sec)
Rows matched: 1 Changed: 1 Warnings: 0

mysql> update emp
-> set salary=15000 where eid=7711;
Query OK, 1 row affected (0.45 sec)
Rows matched: 1 Changed: 1 Warnings: 0

mysql>
mysql>
mysql> select eid,ename from emp where salary > 20000;
+----+-----+
| eid | ename |
+----+-----+
| 2277 | aswani |
| 6622 | rachael |
| 9944 | rahul |
+----+-----+
3 rows in set (0.00 sec)
```

```
mysql>
mysql> alter table works
-> add constraint eid
-> foreign key(eid) references emp(eid)
-> on delete cascade;
Query OK, 5 rows affected (1.48 sec)
Records: 5 Duplicates: 0 Warnings: 0
```

```
mysql> delete from emp where salary=15000;
Query OK, 1 row affected (0.38 sec)
```

```
mysql> select * from emp;
+----+-----+-----+-----+
| eid | ename  | age | salary |
+----+-----+-----+-----+
| 2277 | aswani | 23  | 40000  |
| 5533 | achary | 22  | 10000  |
| 6622 | rachael | 21  | 40000  |
| 9944 | rahul  | 22  | 50000  |
+----+-----+-----+-----+
4 rows in set (0.05 sec)
```

```
mysql> select * from works;
+----+-----+-----+
| eid | did  | pct_time |
+----+-----+-----+
| 5533 | 1111 | 60       |
| 2277 | 4444 | 70       |
| 6622 | 7777 | 70       |
| 9944 | 3333 | 50       |
+----+-----+-----+
4 rows in set (0.05 sec)
```

```
mysql>
```


2277	4444	70
6622	7777	70
9944	3333	50

4 rows in set (0.05 sec)

mysql> alter table emp
-> add doj date unique;
Query OK, 0 rows affected (1.23 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> desc emp;

Field	Type	Null	Key	Default	Extra
eid	int	NO	PRI	NULL	
ename	varchar(30)	NO		NULL	
age	int	NO		NULL	
salary	float	NO		NULL	
doj	date	YES	UNI	NULL	

5 rows in set (0.05 sec)

mysql> desc emp;

Field	Type	Null	Key	Default	Extra
eid	int	NO	PRI	NULL	
ename	varchar(30)	NO		NULL	
age	int	NO		NULL	
salary	float	NO		NULL	
doj	date	YES	UNI	NULL	

5 rows in set (0.01 sec)

mysql> desc manager;

Field	Type	Null	Key	Default	Extra
mname	varchar(30)	NO		NULL	
managerid	int	NO	PRI	NULL	

2 rows in set (0.01 sec)

mysql> desc works;

Field	Type	Null	Key	Default	Extra
eid	int	YES	MUL	NULL	
did	int	YES	MUL	NULL	
pct_time	int	NO		NULL	

3 rows in set (0.01 sec)

mysql> desc dept;

Field	Type	Null	Key	Default	Extra
-------	------	------	-----	---------	-------

5 rows in set (0.05 sec)

mysql> desc emp;

Field	Type	Null	Key	Default	Extra
eid	int	NO	PRI	NULL	
ename	varchar(30)	NO		NULL	
age	int	NO		NULL	
salary	float	NO		NULL	
doj	date	YES	UNI	NULL	

5 rows in set (0.01 sec)

mysql> desc manager;

Field	Type	Null	Key	Default	Extra
mname	varchar(30)	NO		NULL	
managerid	int	NO	PRI	NULL	

2 rows in set (0.01 sec)

mysql> desc works;

Field	Type	Null	Key	Default	Extra
eid	int	YES	MUL	NULL	
did	int	YES	MUL	NULL	
pct_time	int	NO		NULL	

3 rows in set (0.01 sec)

mysql> desc dept;

Field	Type	Null	Key	Default	Extra
did	int	NO	PRI	NULL	
budget	float	YES		NULL	
managerid	int	YES	MUL	NULL	

3 rows in set (0.01 sec)

mysql> select ename from emp order by salary;

ename
achary
aswani
rachael
rahul

4 rows in set (0.00 sec)

mysql>


```
mysql> insert into manager values
```

```
-> ('ganesh',2212),  
-> ('rajesh',3313),  
-> ('rahul',4414),  
-> ('devika',5115),  
-> ('priya',6612);
```

```
Query OK, 5 rows affected (0.12 sec)
```

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

```
mysql> insert into dept values
```

```
-> (1111,200000,2212),  
-> (4444,300000,5115),  
-> (2222,400000,6612),  
-> (3333,300000,4414),  
-> (7777,600000,3313);
```

```
Query OK, 5 rows affected (0.13 sec)
```

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

```
mysql> insert into emp values
```

```
-> (5533,'achary',22,30000),  
-> (2277,'aswani',23,40000),  
-> (7711,'joey',21,30000),  
-> (6622,'rachael',21,40000),  
-> (9944,'rahul',22,50000);
```

```
Query OK, 5 rows affected (0.27 sec)
```

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

```
mysql> insert into works values
```

```
-> (5533,1111,60),  
-> (2277,4444,70),  
-> (7711,2222,60),  
-> (6622,7777,70),  
-> (9944,3333,50);
```

```
Query OK, 5 rows affected (0.81 sec)
```

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

```
mysql>
```

```
mysql> drop table works;  
Query OK, 0 rows affected (0.35 sec)  
  
mysql> drop table dept;  
Query OK, 0 rows affected (0.45 sec)  
  
mysql> drop table emp;  
Query OK, 0 rows affected (0.17 sec)  
  
mysql> drop table manager;  
Query OK, 0 rows affected (0.31 sec)  
  
mysql>
```