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MySQL 8.0 Command Line Client - Unicode
Enter password: 
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 10
Server version: 8.0.26 MySQL Community Server - GPL

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Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> use student db;
ERROR 1049 (42000): Unknown database 'student'
mysql> use studentdb;
Database changed
mysql> create table employee(empid int primary key,empname varchar(20));
Query OK, 0 rows affected (2.32 sec)

mysql> create table salary(salaryid int primary key,empid int foreign key(empid) references employee(empid),domainid int,salary int,comapany varchar(20));
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'for
eign key(empid) references employee(empid),domainid int,salary int,comapany v' at line 1
mysql> create table salary(salaryid int primary key,empid int ,foreign key(empid) references employee(empid),domainid int,salary int,comapany varchar(20));
Query OK, 0 rows affected (2.39 sec)

mysql> create table domain(domainid int primary key,domainname varchar(20));
Query OK, 0 rows affected (1.10 sec)

mysql> alter table salary add foreign key(domainid) references domain(domainid);
Query OK, 0 rows affected (5.09 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> desc employee;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| empid | int  | NO   | PRI | NULL    |       |
| empname | varchar(20) | YES |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
2 rows in set (0.13 sec)

mysql> desc salary;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| salaryid | int | NO | PRI | NULL |       |
| empid | int | YES | MUL | NULL |       |
| domainid | int | YES | MUL | NULL |       |
| salary | int | YES |     | NULL |       |
| comapany | varchar(20) | YES |     | NULL |       |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.06 sec)

mysql> desc domain;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| domainid | int | NO | PRI | NULL |       |
| domainname | varchar(20) | YES |     | NULL |       |
+-----+-----+-----+-----+-----+-----+
2 rows in set (0.01 sec)

mysql> insert into employee values(1,'rahu1');
Query OK, 1 row affected (0.15 sec)

mysql> insert into employee values(2,'gnr');
Query OK, 1 row affected (0.13 sec)

mysql> insert into employee values(3,'gowda');
Query OK, 1 row affected (0.12 sec)

mysql> insert into salary values(10,1,11,25000,'thbs');
ERROR 1452 (23000): Cannot add or update a child row: a foreign key constraint fails ('studentdb`.`salary`, CONSTRAINT `salary_ibfk_2` FOREIGN KEY (`domainid`
) REFERENCES domain (`domainid`))
mysql> insert into domain values(10,'se');
Query OK, 1 row affected (0.17 sec)

mysql> insert into domain values(11,'ase');
Query OK, 1 row affected (0.13 sec)

mysql> insert into domain values(12,'qa');
Query OK, 1 row affected (0.11 sec)
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mysql> insert into employee values(1,'rahul');
Query OK, 1 row affected (0.15 sec)

mysql> insert into employee values(2,'gnr');
Query OK, 1 row affected (0.13 sec)

mysql> insert into employee values(3,'gowda');
Query OK, 1 row affected (0.12 sec)

mysql> insert into salary values(10,1,11,25000,'thbs');
ERROR 1452 (23000): Cannot add or update a child row: a foreign key constraint fails ('studentdb`.`salary`, CONSTRAINT `salary_ibfk_2` FOREIGN KEY (`domainid`
) REFERENCES domain (`domainid`))
mysql> insert into domain values(10,'se');
Query OK, 1 row affected (0.17 sec)

mysql> insert into domain values(11,'ase');
Query OK, 1 row affected (0.13 sec)

mysql> insert into domain values(12,'qa');
Query OK, 1 row affected (0.11 sec)

mysql> insert into salary values(10,1,11,25000,'thbs');
Query OK, 1 row affected (0.12 sec)

mysql> insert into salary values(11,1,12,25050,'thbs');
Query OK, 1 row affected (0.20 sec)

mysql> insert into salary values(12,2,11,25050,'xyz');
Query OK, 1 row affected (0.07 sec)

mysql> select * from employee;
+----+-----+
| empid | empname |
+----+-----+
| 1     | rahul   |
| 2     | gnr     |
| 3     | gowda   |
+----+-----+
3 rows in set (0.00 sec)

mysql> select * from domain;
+----+-----+
| domainid | domainname |
+----+-----+
| 10       | se         |
| 11       | ase        |
| 12       | qa         |
+----+-----+
3 rows in set (0.00 sec)

mysql> insert into salary values(12,2,11,25050,'xyz');
Query OK, 1 row affected (0.07 sec)

mysql> select * from employee;
+----+-----+
| empid | empname |
+----+-----+
| 1     | rahul   |
| 2     | gnr     |
| 3     | gowda   |
+----+-----+
3 rows in set (0.00 sec)

mysql> select * from domain;
+----+-----+
| domainid | domainname |
+----+-----+
| 10       | se         |
| 11       | ase        |
| 12       | qa         |
+----+-----+
3 rows in set (0.00 sec)

mysql> select * from salary;
+----+-----+
| salaryid | empid | domainid | salary | company |
+----+-----+
| 10       | 1     | 11       | 25000  | thbs    |
| 11       | 1     | 12       | 25050  | thbs    |
| 12       | 2     | 11       | 25050  | xyz     |
+----+-----+
3 rows in set (0.00 sec)

mysql> create table teacher(id int primary key,teachername varchar(10),foreign key(id) references salary(empid));
Query OK, 0 rows affected (2.17 sec)

mysql> desc teacher;
+----+-----+
| Field      | Type      | Null | Key | Default | Extra |
+----+-----+
| id         | int       | NO   | PRI | NULL    |      |
| teachername | varchar(10) | YES  |     | NULL    |      |
+----+-----+
2 rows in set (0.05 sec)

mysql> create table employeeeee(empid int primary key,empname varchar(20),empzip int,empstate varchar(10),empcity varchar(10));
Query OK, 0 rows affected (1.41 sec)

mysql> create table employeeedetails(id int ,empname varchar(10),empzip int,foreign key(empzip) references employeeeee(empzip));
ERROR 1824 (HY000): Failed to open the referenced table 'employeeeee'
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MySQL 8.0 Command Line Client - Unicode
mysql> create table teacher(id int primary key,teachername varchar(10),foreign key(id) references salary(empid));
Query OK, 0 rows affected (2.17 sec)

mysql> desc teacher;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| id     | int  | NO   | PRI | NULL    |       |
| teachername | varchar(10) | YES |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
2 rows in set (0.05 sec)

mysql> create table employeeeee(empid int primary key,empname varchar(20),empzip int,empstate varchar(10),empcity varchar(10));
Query OK, 0 rows affected (1.41 sec)

mysql> create table employeeedetails(id int ,empname varchar(10),empzip int,foreign key(empzip) references employeeeee(empzip));
ERROR 1824 (HY000): Failed to open the referenced table 'employeeeee'
mysql> alter table employee add primary key(empzip);
ERROR 1068 (42000): Multiple primary key defined
mysql> create table employeeedetails(id int ,empname varchar(10),empzip int primary key,foreign key(id) references employeeeee(empid));
ERROR 1824 (HY000): Failed to open the referenced table 'employeeeee'
mysql> create table employeeedetails(id int ,empname varchar(10),empzip int primary key,foreign key(id) references employeeeee(empid));
Query OK, 0 rows affected (1.98 sec)

mysql> create table employeeeadd(empzip int,empcity varchar(10),empstate varchar(10),foreign key(empzip) references employeeedetails(empzip));
Query OK, 0 rows affected (1.31 sec)

mysql> desc employeeeee;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| empid | int  | NO   | PRI | NULL    |       |
| empname | varchar(20) | YES |     | NULL    |       |
| empzip | int  | YES  |     | NULL    |       |
| empstate | varchar(10) | YES |     | NULL    |       |
| empcity | varchar(10) | YES |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.07 sec)

mysql> desc employeeedetails;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| id     | int  | YES  | MUL | NULL    |       |
| empname | varchar(10) | YES |     | NULL    |       |
| empzip | int  | NO   | PRI | NULL    |       |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

mysql> desc employeeeadd;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| empzip | int  | YES  |     | NULL    |       |
| empcity | varchar(10) | YES |     | NULL    |       |
| empstate | varchar(10) | YES |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.01 sec)

mysql>
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