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MySQL 8.0 Command Line Client - Unicode
mysql> create table top(tid int,tid int,tname varchar(10),foreign key(tid) references student(sid) on delete cascade);
ERROR 1060 (42S21): Duplicate column name 'tid'
mysql> create table employee(empid int primary key,empname varchar(10),empage int,empdob date);
Query OK, 0 rows affected (2.34 sec)

mysql> desc employee;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| empid | int  | NO   | PRI | NULL    |       |
| empname | varchar(10) | YES |     | NULL    |       |
| empage | int  | YES |     | NULL    |       |
| empdob | date | YES |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.06 sec)

mysql> alter table employee add empage int;
ERROR 1060 (42S21): Duplicate column name 'empage'
mysql> alter table employee add empage integer(10);
ERROR 1060 (42S21): Duplicate column name 'empage'
mysql> alter table employee add age integer(10);
Query OK, 0 rows affected, 1 warning (1.20 sec)
Records: 0 Duplicates: 0 Warnings: 1

mysql> desc employee;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| empid | int  | NO   | PRI | NULL    |       |
| empname | varchar(10) | YES |     | NULL    |       |
| empage | int  | YES |     | NULL    |       |
| empdob | date | YES |     | NULL    |       |
| age | int  | YES |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.13 sec)

mysql> alter table employee add gender varchar(10);
Query OK, 0 rows affected (0.57 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> desc employee;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| empid | int  | NO   | PRI | NULL    |       |
| empname | varchar(10) | YES |     | NULL    |       |
| empage | int  | YES |     | NULL    |       |
| empdob | date | YES |     | NULL    |       |
| age | int  | YES |     | NULL    |       |
| gender | varchar(10) | YES |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
6 rows in set (0.00 sec)

mysql> alter table employee drop gender ;
Query OK, 0 rows affected (2.94 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> desc employee;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| empid | int  | NO   | PRI | NULL    |       |
| empname | varchar(10) | YES |     | NULL    |       |
| empage | int  | YES |     | NULL    |       |
| empdob | date | YES |     | NULL    |       |
| age | int  | YES |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.01 sec)

mysql> insert into employee values(1,'rahu1',23,05/12/1999,23);
Query OK, 1 row affected (0.14 sec)

mysql> insert into employee values(2,'gnr',23,14/06/1999,23);
Query OK, 1 row affected (0.26 sec)

mysql> select * from employee;
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 'sel
ct * from employee' at line 1
mysql> select * from employee;
+-----+-----+-----+-----+-----+
| empid | empname | empage | empdob | age |
+-----+-----+-----+-----+-----+
| 1 | rahu1 | 23 | 0000-00-00 | 23 |
| 2 | gnr | 23 | 0000-00-00 | 23 |
+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)

mysql> insert into employee values(3,'gnrahu1',24,15/08/1999,24);
Query OK, 1 row affected (0.15 sec)
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MySQL 8.0 Command Line Client - Unicode
2 rows in set (0.00 sec)

mysql> insert into employee values(3,'gnrahu1',24,15/08/1999,24);
Query OK, 1 row affected (0.15 sec)

mysql> select * from employee;
+-----+-----+-----+-----+-----+
| empid | empname | empage | empdob | age |
+-----+-----+-----+-----+-----+
| 1     | rahul   | 23     | 0000-00-00 | 23 |
| 2     | gnr     | 23     | 0000-00-00 | 23 |
| 3     | gnrahu1 | 24     | 0000-00-00 | 24 |
+-----+-----+-----+-----+-----+
3 rows in set (0.05 sec)

mysql> delete from employee where age=24;
Query OK, 1 row affected (0.21 sec)

mysql> select * from employee;
+-----+-----+-----+-----+-----+
| empid | empname | empage | empdob | age |
+-----+-----+-----+-----+-----+
| 1     | rahul   | 23     | 0000-00-00 | 23 |
| 2     | gnr     | 23     | 0000-00-00 | 23 |
+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)

mysql> update table employee empdob=1999-06-05 where empid=1;
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 'tab
le employee empdob=1999-06-05 where empid=1' at line 1
mysql> update from table employee empdob=1999-06-05 where empid=1;
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 'fro
m table employee empdob=1999-06-05 where empid=1' at line 1
mysql> update employee set empdob=1999-06-05 where empid=1;
ERROR 1292 (22007): Incorrect date value: '1988' for column 'empdob' at row 1
mysql> update employee set empdob=1988-06-05 where empid=1;
ERROR 1292 (22007): Incorrect date value: '1987' for column 'empdob' at row 1
mysql> update employee set empdob=1988/06/05 where empid=1;
ERROR 1292 (22007): Incorrect date value: '66.600000000000000000000000' for column 'empdob' at row 1
mysql> update employee set empdob='1999-06-05' where empid=1;
Query OK, 1 row affected (0.14 sec)
Rows matched: 1 Changed: 1 Warnings: 0

mysql> update employee set empdob='1999-06-14' where empid=2;
Query OK, 1 row affected (0.13 sec)
Rows matched: 1 Changed: 1 Warnings: 0

mysql> select * from employee;
+-----+-----+-----+-----+-----+
| empid | empname | empage | empdob | age |
+-----+-----+-----+-----+-----+
| 1     | rahul   | 23     | 1999-06-05 | 23 |
| 2     | gnr     | 23     | 1999-06-14 | 23 |
+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)

mysql> alter table employee add gender varchar(10) not null;
Query OK, 0 rows affected (2.19 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> desc employee;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| empid | int  | NO   | PRI | NULL    |       |
| empname | varchar(10) | YES |     | NULL    |       |
| empage | int  | YES |     | NULL    |       |
| empdob | date | YES |     | NULL    |       |
| age | int  | YES |     | NULL    |       |
| gender | varchar(10) | NO |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
6 rows in set (0.06 sec)

mysql> alter table employee add default='thbs';
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 'def
ault='thbs' at line 1
mysql> update employee set gender='male' where empid=(1,2);
ERROR 1241 (21000): Operand should contain 1 column(s)
mysql> update employee set gender='male' where empid=1,2;
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 ',2'
at line 1
mysql> update employee set gender='male' where empid=1,empid=2;
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 ',em
pid=2' at line 1
mysql> update employee set gender='male' where empid=1;
Query OK, 1 row affected (0.08 sec)
Rows matched: 1 Changed: 1 Warnings: 0

mysql> update employee set gender='male' where empid=2;
Query OK, 1 row affected (0.18 sec)
Rows matched: 1 Changed: 1 Warnings: 0

mysql> select * from employee;
+-----+-----+-----+-----+-----+-----+
| empid | empname | empage | empdob | age | gender |
+-----+-----+-----+-----+-----+-----+
| 1     | rahul   | 23     | 1999-06-05 | 23 | male   |
| 2     | gnr     | 23     | 1999-06-14 | 23 | male   |
+-----+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)
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MySQL 8.0 Command Line Client - Unicode
Query OK, 1 row affected (0.18 sec)
Rows matched: 1 Changed: 1 Warnings: 0

mysql> select * from employee;
+----+-----+-----+-----+-----+-----+
| empid | empname | empage | empdob | age | gender |
+----+-----+-----+-----+-----+-----+
| 1 | rahul | 23 | 1999-06-05 | 23 | male |
| 2 | gnr | 23 | 1999-06-14 | 23 | male |
+----+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)

mysql> desc employee;
+----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+----+-----+-----+-----+-----+-----+
| empid | int | NO | PRI | NULL | |
| empname | varchar(10) | YES | | NULL | |
| empage | int | YES | | NULL | |
| empdob | date | YES | | NULL | |
| age | int | YES | | NULL | |
| gender | varchar(10) | NO | | NULL | |
+----+-----+-----+-----+-----+-----+
6 rows in set (0.14 sec)

mysql> select * from employee;
+----+-----+-----+-----+-----+-----+
| empid | empname | empage | empdob | age | gender |
+----+-----+-----+-----+-----+-----+
| 1 | rahul | 23 | 1999-06-05 | 23 | male |
| 2 | gnr | 23 | 1999-06-14 | 23 | male |
+----+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)

mysql> _

MySQL 8.0 Command Line Client - Unicode
+----+-----+-----+-----+-----+-----+
| 2 | gnr | 23 | 1999-06-14 | 23 | male |
+----+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)

mysql> select count(*) from employee;
+-----+
| count(*) |
+-----+
| 2 |
+-----+
1 row in set (0.04 sec)

mysql> select count(empid),empname by employee orderby empname;
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 'by employee orderby empname' at line 1
mysql> select count(empname),empname by employee orderby empname;
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 'by employee orderby empname' at line 1
mysql> select count(empid),empname from employee orderby empname;
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 'emp name' at line 1
mysql> select count(empname),empname from employee order by empname;
+-----+-----+
| count(empname) | empname |
+-----+-----+
| 2 | rahul |
+-----+-----+
1 row in set (0.00 sec)

mysql> select count(empid),empname from employee order by empname;
+-----+-----+
| count(empid) | empname |
+-----+-----+
| 2 | rahul |
+-----+-----+
1 row in set (0.00 sec)

mysql> select count(empid),empname from employee group by empname;
+-----+-----+
| count(empid) | empname |
+-----+-----+
| 1 | rahul |
| 1 | gnr |
+-----+-----+
2 rows in set (0.00 sec)

mysql> _
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