

2, DDL CONSTRAINTS

```
MySQL 8.0 Command Line Client - Unicode
Enter password: *****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 12
Server version: 8.0.29 MySQL Community Server - GPL

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owners.

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

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

mysql> use emp;
Database changed
mysql> create table emp(emp_id int not null,emp_name char(20),emp_salary int);
Query OK, 0 rows affected (0.04 sec)

mysql> desc emp;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| emp_id | int  | NO   |     | NULL    |       |
| emp_name | char(20) | YES |     | NULL    |       |
| emp_salary | int  | YES |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

mysql> insert into emp(1,'ram',2000);
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 '1,'ram',2000)' at line 1
mysql> insert into emp values (1,'ram',2000);
Query OK, 1 row affected (0.01 sec)

mysql> desc emp;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| emp_id | int  | NO   |     | NULL    |       |
| emp_name | char(20) | YES |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

mysql> insert into emp(1,'ram',2000);
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mysql> insert into emp values (1,'ram',2000);
Query OK, 1 row affected (0.01 sec)

mysql> desc emp;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| emp_id | int  | NO   |     | NULL    |       |
| emp_name | char(20) | YES |     | NULL    |       |
| emp_salary | int  | YES |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

mysql> create database emp;_
```

```
MySQL 8.0 Command Line Client - Unicode
Enter password: *****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 13
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Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> create database emp1;
Query OK, 1 row affected (0.01 sec)

mysql> use emp1;
Database changed
mysql> create table emp1(emp_id int not null,emp_name char(20),unique(emp_id));
Query OK, 0 rows affected (0.03 sec)

mysql> desc emp1;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| emp_id | int  | NO   | PRI | NULL    |       |
| emp_name | char(20) | YES |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)

mysql> create table emp2(emp_id int not null,emp_name char(20),emp_age int,check(emp_age>20));
ERROR 3820 (HY000): Check constraint 'emp2_chk_1' refers to non-existing column 'empage'.
mysql> create table emp2(emp_id int not null,emp_name char(20),emp_age int,check(emp_age>20));
Query OK, 0 rows affected (0.04 sec)

mysql> desc emp2;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| emp_id | int  | NO   |     | NULL    |       |
| emp_name | char(20) | YES |     | NULL    |       |
| emp_age | int  | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

mysql> insert into emp2 values(1,'ram',25);
Query OK, 1 row affected (0.01 sec)

mysql> select *from emp2;
+-----+-----+-----+
| emp_id | emp_name | emp_age |
+-----+-----+-----+
| 1      | ram      | 25      |
+-----+-----+-----+
1 row in set (0.00 sec)

mysql>
```