```
Enter password: ****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 8
Server version: 8.0.33 MySQL Community Server - GPL

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

mysql> CREATE DATABASE FACTURACION;
ERROR 1007 (HY000): Can't create database 'facturacion'; database exists
mysql> USE FACTURACION;
Database changed
mysql>
mysql> CREATE TABLE cliente(
    -> id_cliente VARCHAR (30) UNIQUE PRIMARY KEY,
    -> nombre VARCHAR (25) UNIQUE NOT NULL,
    -> apellido VARCHAR (25) UNIQUE NOT NULL,
    -> direccion VARCHAR (20) NOT NULL,
    -> telefono VARCHAR (20) NOT NULL,
    -> correo VARCHAR (50) UNIQUE NOT NULL,
    -> municipio VARCHAR (20),
    -> departamento VARCHAR (20),
    -> pais VARCHAR (20) CHECK (pais='Colombia'),
    -> creado TIMESTAMP DEFAULT CURRENT_TIMESTAMP
    -> );
Query OK, 0 rows affected (0.02 sec)

mysql> SELECT * FROM cliente;
Empty set (0.01 sec)

mysql> CREATE TABLE factura(
    ->    num_factura VARCHAR (20) UNIQUE PRIMARY KEY,
    ->    id_cliente VARCHAR (30),
    ->    id_producto VARCHAR (30),
    ->    creado TIMESTAMP DEFAULT CURRENT_TIMESTAMP,
    ->    FOREIGN KEY (id_cliente) REFERENCES productos(id_cliente),
    ->    FOREIGN KEY (id_producto) REFERENCES productos(id_producto)
    ->     );
ERROR 1824 (HY000): Failed to open the referenced table 'productos'
mysql> CREATE TABLE factura(
    -> num_factura VARCHAR (20) UNIQUE PRIMARY KEY,
    -> id_cliente VARCHAR (30),
    -> id_producto VARCHAR (30),
    -> creado TIMESTAMP DEFAULT CURRENT_TIMESTAMP,
    -> (id_cliente) REFERENCES productos(id_cliente),
    -> (id_producto) REFERENCES productos(id_producto)
```

```
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 '(id_cliente) REFERENCES productos(id_cliente),
(id_producto) REFERENCES producto' at line 6
mysql> CREATE TABLE productos(
    ->    id_producto VARCHAR (30)UNIQUE PRIMARY KEY,
    ->    nombre VARCHAR (25) NOT NULL,
    ->    precio INT (25) NOT NULL,
    ->    stock INT (25) NOT NULL,
    ->    num_factura VARCHAR (20),
    ->    creado TIMESTAMP DEFAULT CURRENT_TIMESTAMP,
    ->    FOREIGN KEY (num_factura) REFERENCES factura(num_factura)
    -> );
ERROR 1824 (HY000): Failed to open the referenced table 'factura'
mysql> CREATE TABLE factura (
    ->    num_factura VARCHAR(20) UNIQUE PRIMARY KEY,
    ->    id_cliente VARCHAR(30),
    ->    id_producto VARCHAR(30),
    ->    creado TIMESTAMP DEFAULT CURRENT_TIMESTAMP,
    ->    FOREIGN KEY (id_cliente) REFERENCES productos(id_cliente),
    ->    FOREIGN KEY (id_producto) REFERENCES productos(id_producto)
    -> );
ERROR 1824 (HY000): Failed to open the referenced table 'productos'
mysql> show databases;
+--------------------+
| Database           |
+--------------------+
| clasesql           |
| clasessql          |
| estudiantessql     |
| facturacion        |
| information_schema |
| mysql              |
| performance_schema |
| phpmyadmin         |
| sakila             |
| sys                |
| world              |
+--------------------+
11 rows in set (0.01 sec)

mysql> USE facturacion;
Database changed
mysql> DROP TABLE FACTURACION;
ERROR 1051 (42S02): Unknown table 'facturacion.facturacion'
mysql> DROP TABLE facturacion;
ERROR 1051 (42S02): Unknown table 'facturacion.facturacion'
mysql> DROP DATABASE facturacion;
Query OK, 1 row affected (0.02 sec)
```

```
mysql> INSERT INTO productos (id_producto, nombre, precio, stock, num_factura)
    -> VALUES (013, 'colonia', 25000, 15, 'FAC-112');
Query OK, 1 row affected (0.00 sec)

mysql> ALTER TABLE productos
    -> ADD CONSTRAINT fk_factura
    -> FOREIGN KEY (num_factura) REFERENCES factura(num_factura);
ERROR 1452 (23000): Cannot add or update a child row: a foreign key constraint fails (`facturacion`.`#sql-14bc_8`, CONSTRAINT `fk_factura` FOREIGN KEY (`num_factura`) REFERENCES `factura` (`num_factura`))mysql
> UPDATE productos SET num_factura = 'FAC-100' WHERE id_producto = 001;
Query OK, 0 rows affected (0.00 sec)
Rows matched: 0  Changed: 0  Warnings: 0

mysql> UPDATE productos SET num_factura = 'FAC-101' WHERE id_producto = 002;
Query OK, 0 rows affected (0.00 sec)
Rows matched: 0  Changed: 0  Warnings: 0

mysql>
mysql> UPDATE productos SET num_factura = 'FAC-100' WHERE id_producto = 003;
Query OK, 0 rows affected (0.00 sec)
Rows matched: 0  Changed: 0  Warnings: 0

mysql>
mysql> UPDATE productos SET num_factura = 'FAC-101' WHERE id_producto = 004;
Query OK, 1 row affected (0.00 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql>
mysql> UPDATE productos SET num_factura = 'FAC-100' WHERE id_producto = 005;
Query OK, 1 row affected (0.00 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql>
mysql> UPDATE productos SET num_factura = 'FAC-101' WHERE id_producto = 006;
Query OK, 1 row affected (0.00 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql>
mysql> UPDATE productos SET num_factura = 'FAC-100' WHERE id_producto = 007;
Query OK, 1 row affected (0.00 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql>
mysql> UPDATE productos SET num_factura = 'FAC-101' WHERE id_producto = 008;
Query OK, 1 row affected (0.00 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql>
mysql> UPDATE productos SET num_factura = 'FAC-100' WHERE id_producto = 009;
Query OK, 1 row affected (0.00 sec)
Rows matched: 1  Changed: 1  Warnings: 0
```

```
mysql> USE facturacion;
Database changed
mysql> DROP TABLE FACTURACION;
ERROR 1051 (42S02): Unknown table 'facturacion.facturacion'
mysql> DROP TABLE facturacion;
ERROR 1051 (42S02): Unknown table 'facturacion.facturacion'
mysql> DROP DATABASE facturacion;
Query OK, 1 row affected (0.02 sec)

mysql> CREATE DATABASE Facturacion;
Query OK, 1 row affected (0.00 sec)

mysql> use Facturacion;
Database changed
mysql> CREATE TABLE cliente (
    -> id_cliente VARCHAR(30) UNIQUE PRIMARY KEY,
    -> nombre VARCHAR(25) UNIQUE NOT NULL,
    -> apellido VARCHAR(25) UNIQUE NOT NULL,
    -> direccion VARCHAR(20) NOT NULL,
    -> telefono VARCHAR(20) NOT NULL,
    -> correo VARCHAR(50) UNIQUE NOT NULL,
    -> municipio VARCHAR(20),
    -> departamento VARCHAR(20),
    -> pais VARCHAR(20) CHECK (pais='Colombia'),
    -> creado TIMESTAMP DEFAULT CURRENT_TIMESTAMP
    -> );
Query OK, 0 rows affected (0.01 sec)

mysql> CREATE TABLE factura (
    -> num_factura VARCHAR(20) UNIQUE PRIMARY KEY,
    -> id_cliente VARCHAR(30),
    -> id_producto VARCHAR(30),
    -> creado TIMESTAMP DEFAULT CURRENT_TIMESTAMP,
    -> FOREIGN KEY (id_cliente) REFERENCES cliente(id_cliente),
    -> FOREIGN KEY (id_producto) REFERENCES productos(id_producto)
    -> );
ERROR 1824 (HY000): Failed to open the referenced table 'productos'
mysql> CREATE TABLE productos (
    ->
    -> );
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 ')' at line 3
mysql> CREATE TABLE productos ();
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 ')' at line 1
mysql> CREATE TABLE factura (
    -> num_factura VARCHAR(20) UNIQUE PRIMARY KEY,
    -> id_cliente VARCHAR(30),
    -> id_producto VARCHAR(30),
    -> creado TIMESTAMP DEFAULT CURRENT_TIMESTAMP,
    -> );
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 ')' at line 6
```

```
 -> );
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 ')' at line 6
mysql> CREATE TABLE factura (
    -> num_factura VARCHAR(20) UNIQUE PRIMARY KEY,
    -> id_cliente VARCHAR(30),
    -> id_producto VARCHAR(30),
    -> creado TIMESTAMP DEFAULT CURRENT_TIMESTAMP
    -> );
Query OK, 0 rows affected (0.01 sec)

mysql> CREATE TABLE productos (
    -> id_producto VARCHAR(30) UNIQUE PRIMARY KEY,
    -> nombre VARCHAR(25) NOT NULL,
    -> precio INT NOT NULL,
    -> stock INT NOT NULL,
    -> num_factura VARCHAR(20),
    -> creado TIMESTAMP DEFAULT CURRENT_TIMESTAMP
    -> );
Query OK, 0 rows affected (0.01 sec)

mysql> INSERT INTO cliente (id_cliente, nombre, apellido, direccion, telefono, correo, municipio,departamento, pais)
    -> VALUES ('ID001', 'Juan', 'Perez', 'Calle 123', '1234567890', 'juan@example.com', 'Municipio1', 'Departamento1', 'Colombia');
Query OK, 1 row affected (0.01 sec)

mysql>
mysql> INSERT INTO cliente (id_cliente, nombre, apellido, direccion, telefono, correo, municipio, departamento, pais)
    -> VALUES ('ID002', 'María', 'López', 'Avenida 456', '9876543210', 'maria@example.com', 'Municipio2', 'Departamento2', 'Colombia');
Query OK, 1 row affected (0.00 sec)

mysql>
mysql> INSERT INTO cliente (id_cliente, nombre, apellido, direccion, telefono, correo, municipio, departamento, pais)
    -> VALUES ('ID003', 'Pedro', 'Gómez', 'Plaza 789', '5678901234', 'pedro@example.com', 'Municipio3', 'Departamento3', 'Colombia');
Query OK, 1 row affected (0.00 sec)

mysql>
mysql> INSERT INTO cliente (id_cliente, nombre, apellido, direccion, telefono, correo, municipio, departamento, pais)
    -> VALUES ('ID004', 'Laura', 'Ramírez', 'Calle 234', '2345678901', 'laura@example.com', 'Municipio4', 'Departamento4', 'Colombia');
Query OK, 1 row affected (0.00 sec)

mysql>
mysql> INSERT INTO cliente (id_cliente, nombre, apellido, direccion, telefono, correo, municipio, departamento, pais)
    -> VALUES ('ID005', 'Carlos', 'Martínez', 'Avenida 567', '8901234567', 'carlos@example.com', 'Municipio5', 'Departamento5', 'Colombia');
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO productos (id_producto, nombre, precio, stock, num_factura)
    -> VALUES (004, 'crema facial', 20000, 25, 'FAC-103');
Query OK, 1 row affected (0.00 sec)

mysql>
mysql> INSERT INTO productos (id_producto, nombre, precio, stock, num_factura)
```

```
mysql> UPDATE productos SET num_factura = 'FAC-101' WHERE id_producto = 008;
Query OK, 1 row affected (0.00 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql>
mysql> UPDATE productos SET num_factura = 'FAC-100' WHERE id_producto = 009;
Query OK, 1 row affected (0.00 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql>
mysql> UPDATE productos SET num_factura = 'FAC-101' WHERE id_producto = 010;
Query OK, 1 row affected (0.00 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> SELECT SUM(precio) FROM productos ;
+-------------+
| SUM(precio) |
+-------------+
|      119000 |
+-------------+
1 row in set (0.00 sec)

mysql>
mysql> SELECT AVG(precio) FROM productos ;
+-------------+
| AVG(precio) |
+-------------+
|  11900.0000 |
+-------------+
1 row in set (0.00 sec)

mysql>
mysql> SELECT MIN(precio) FROM productos ;
+-------------+
| MIN(precio) |
+-------------+
|        3000 |
+-------------+
1 row in set (0.00 sec)

mysql>
mysql> SELECT MAX(precio) FROM productos ;
+-------------+
| MAX(precio) |
+-------------+
|       25000 |
+-------------+
1 row in set (0.00 sec)

mysql>
mysql> SELECT COUNT(precio) FROM productos ;
```