

Ej 1:

```
Símbolo del sistema - mysql -uroot -p
mysql> create table peliculas(
  -> cod_pel int,
  -> nombre varchar(50) not null,
  -> director varchar(50),
  -> fecha date,
  -> genero enum("suspense","accion","terror","comedia","drama","cinciafic"),
  -> visionada enum("si","no"),
  -> constraint cod_pel_pk primary key (cod_pel),
  -> constraint check (cod_pel>0));
Query OK, 0 rows affected (0.04 sec)

mysql> desc peliculas;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| cod_pel | int | NO | PRI | NULL | |
| nombre | varchar(50) | NO | | NULL | |
| director | varchar(50) | YES | | NULL | |
| fecha | date | YES | | NULL | |
| genero | enum('suspense','accion','terror','comedia','drama','cinciafic') | YES | | NULL | |
| visionada | enum('si','no') | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
6 rows in set (0.01 sec)

mysql>
```

Ej 2:

```
Símbolo del sistema - mysql -uroot -p
mysql> create table pais(
  -> nombre_p varchar(30),
  -> bandera varchar(70),
  -> renta float,
  -> constraint nombre_p_pk primary key (nombre_p));
Query OK, 0 rows affected (0.03 sec)
```

```
Símbolo del sistema - mysql -uroot -p
mysql> create table ciudad(
  -> nombre_c varchar(40),
  -> habitantes int,
  -> nombre_p varchar(30) references pais(nombre_p),
  -> constraint pais_pk primary key (nombre_c,nombre_p));
Query OK, 0 rows affected (0.03 sec)
```

```
Símbolo del sistema - mysql -uroot -p
mysql> desc pais
-> ;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| nombre_p | varchar(30) | NO | PRI | NULL | |
| bandera | varchar(70) | YES | | NULL | |
| renta | float | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.01 sec)

mysql> desc ciudad;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| nombre_c | varchar(40) | NO | PRI | NULL | |
| habitantes | int | YES | | NULL | |
| nombre_p | varchar(30) | NO | PRI | NULL | |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.01 sec)

mysql>
```

Ej 3:

```
Símbolo del sistema - mysql -uroot -p
mysql> create table pleito(
  -> cod_pleito int,
  -> resultado enum("culpable","inocente","sobreseido"),
  -> constraint pleito_pk primary key(cod_pleito));
Query OK, 0 rows affected (0.03 sec)
```

```
Símbolo del sistema - mysql -uroot -p
mysql> desc pleito
-> ;
+-----+-----+-----+-----+-----+-----+
| Field      | Type                                | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| cod_pleito | int                                | NO   | PRI | NULL    |       |
| resultado  | enum('culpable','inocente','sobreseido') | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
```

```
Símbolo del sistema - mysql -uroot -p
mysql> create table recurso(
  -> cod_rec int,
  -> fecha date,
  -> cod_pleito int,
  -> constraint recurso_pk primary key (cod_rec),
  -> constraint pleito_fk foreign key (cod_pleito) references pleito(cod_pleito));
Query OK, 0 rows affected (0.07 sec)
```

```
Símbolo del sistema - mysql -uroot -p
mysql> show create table pleito;
+-----+-----+-----+-----+-----+-----+
| Table | Create Table
+-----+-----+-----+-----+-----+-----+
| pleito | CREATE TABLE `pleito` (
  `cod_pleito` int NOT NULL,
  `resultado` enum('culpable','inocente','sobreseido') DEFAULT NULL,
  PRIMARY KEY (`cod_pleito`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb3 |
+-----+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)

mysql> show create table recurso;
+-----+-----+-----+-----+-----+-----+
| Table | Create Table
+-----+-----+-----+-----+-----+-----+
| recurso | CREATE TABLE `recurso` (
  `cod_rec` int NOT NULL,
  `fecha` date DEFAULT NULL,
  `cod_pleito` int DEFAULT NULL,
  PRIMARY KEY (`cod_rec`),
  KEY `pleito_fk` (`cod_pleito`),
  CONSTRAINT `pleito_fk` FOREIGN KEY (`cod_pleito`) REFERENCES `pleito` (`cod_pleito`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb3 |
+-----+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)
```

Ej 4:

```
Símbolo del sistema - mysql -uroot -p

mysql> create table empleado(
  -> cod_emp int,
  -> telf varchar(9),
  -> constraint empleado_pk primary key (cod_emp));
Query OK, 0 rows affected (0.03 sec)

mysql> desc empleado
  -> ;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| cod_emp | int | NO | PRI | NULL | |
| telf | varchar(9) | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
2 rows in set (0.01 sec)
```

```
Seleccionar Símbolo del sistema - mysql -uroot -p

mysql> create table cliente(
  -> dni varchar(9),
  -> nombre varchar(30),
  -> apellidos varchar(60),
  -> constraint cliente_pk primary key (dni));
Query OK, 0 rows affected (0.03 sec)
```

```
Seleccionar Símbolo del sistema - mysql -uroot -p

mysql> create table coche(
  -> n_bastidor varchar(17),
  -> marca varchar(20),
  -> modelo varchar(15),
  -> color enum("rojo","blanco","azul","negro","plata","gris","amarillo","verde"),
  -> matricula varchar(7) not null,
  -> constraint coche_pk primary key (n_bastidor),
  -> constraint unique (matricula));
Query OK, 0 rows affected (0.08 sec)

mysql> desc coche;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| n_bastidor | varchar(17) | NO | PRI | NULL | |
| marca | varchar(20) | YES | | NULL | |
| modelo | varchar(15) | YES | | NULL | |
| color | enum('rojo','blanco','azul','negro','plata','gris','amarillo','verde') | YES | | NULL | |
| matricula | varchar(7) | NO | UNI | NULL | |
+-----+-----+-----+-----+-----+-----+
```

```
Seleccionar Símbolo del sistema - mysql -uroot -p

mysql> create table venta(
  -> cod_emp int not null,
  -> dni varchar(9),
  -> n_bastidor varchar(17),
  -> fecha date not null,
  -> precio int not null,
  -> constraint venta_pk primary key (n_bastidor, dni),
  -> constraint empleado_fk foreign key (cod_emp) references empleado(cod_emp),
  -> constraint cliente_fk foreign key (dni) references cliente(dni),
  -> constraint coche_fk foreign key (n_bastidor) references coche(n_bastidor),
  -> constraint chk_precio check (precio>0));
Query OK, 0 rows affected (0.08 sec)

mysql> desc venta;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| cod_emp | int | NO | MUL | NULL | |
| dni | varchar(9) | NO | PRI | NULL | |
| n_bastidor | varchar(17) | NO | PRI | NULL | |
| fecha | date | NO | | NULL | |
| precio | int | NO | | NULL | |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.01 sec)
```

Ej 6:

```
Símbolo del sistema - mysql -uroot-p
mysql> alter table pleito add juez varchar(50);
Query OK, 0 rows affected (0.04 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> desc pleito;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| cod_pleito | int | NO | PRI | NULL | |
| resultado | enum('culpable','inocente','sobreseido') | YES | | NULL | |
| juez | varchar(50) | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.01 sec)
```

Ej 7:

```
Símbolo del sistema - mysql -uroot-p
mysql> alter table empleado add nombre varchar(50);
Query OK, 0 rows affected (0.06 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> des empleado;
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 'des empleado' at line 1

mysql> desc empleado;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| cod_emp | int | NO | PRI | NULL | |
| telf | varchar(9) | YES | | NULL | |
| nombre | varchar(50) | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```

Ej 8:

```
Símbolo del sistema - mysql -uroot-p
mysql> alter table venta modify precio float;
Query OK, 0 rows affected (0.14 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> desc venta;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| cod_emp | int | NO | MUL | NULL | |
| dni | varchar(9) | NO | PRI | NULL | |
| n_bastidor | varchar(17) | NO | PRI | NULL | |
| fecha | date | NO | | NULL | |
| precio | float | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.01 sec)
```

Tras esto “precio” cambio a float pero también pedio por el camino la propiedad de VNN, así que se la añado manualmente.

```
Símbolo del sistema - mysql -uroot-p
mysql> alter table venta modify precio float not null;
Query OK, 0 rows affected (0.09 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> desc venta;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| cod_emp | int | NO | MUL | NULL | |
| dni | varchar(9) | NO | PRI | NULL | |
| n_bastidor | varchar(17) | NO | PRI | NULL | |
| fecha | date | NO | | NULL | |
| precio | float | NO | | NULL | |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.00 sec)
```


Ej 9:

```
Símbolo del sistema - mysql -uroot -p

mysql> alter table peliculas drop director;
Query OK, 0 rows affected (0.07 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> desc peliculas;
+-----+-----+-----+-----+-----+-----+
| Field | Type                               | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| cod_pel | int                               | NO   | PRI | NULL    |       |
| nombre | varchar(50)                       | NO   |     | NULL    |       |
| fecha  | date                             | YES  |     | NULL    |       |
| genero | enum('suspense','accion','terror','comedia','drama','cinciafic') | YES  |     | NULL    |       |
| visionada | enum('si','no')                 | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.00 sec)
```

Ej 10:

```
Símbolo del sistema - mysql -uroot -p

mysql> drop table peliculas;
Query OK, 0 rows affected (0.02 sec)

mysql> desc peliculas;
ERROR 1146 (42S02): Table 'boletinbd.peliculas' doesn't exist
```

Ej 11:

```
Símbolo del sistema - mysql -uroot -p

mysql> alter table ciudad add constraint habitantes check (habitantes>0);
Query OK, 0 rows affected (0.12 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

```
Símbolo del sistema - mysql -uroot -p

mysql> show create table ciudad;
+-----+-----+
| Table | Create Table
+-----+-----+
| ciudad | CREATE TABLE `ciudad` (
  `nombre_c` varchar(40) NOT NULL,
  `habitantes` int DEFAULT NULL,
  `nombre_p` varchar(30) NOT NULL,
  PRIMARY KEY (`nombre_c`,`nombre_p`),
  KEY `pais_fk` (`nombre_p`),
  CONSTRAINT `pais_fk` FOREIGN KEY (`nombre_p`) REFERENCES `pais` (`nombre_p`),
  CONSTRAINT `habitantes` CHECK ((`habitantes` > 0))
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb3 |
+-----+-----+
1 row in set (0.00 sec)
```