

# Práctica 06: Creación de una base de datos

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## Información del Taller

**Taller:** Escuela de código PILARES: Base de datos entre semana

**Número de la práctica:** 6

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**Actividad:** Se describen a continuación las instrucciones para la creación de tablas y inserción de datos en una base de datos SQL. Para detalles adicionales, referirse al enlace del curso.

## Código SQL para la creación de tablas y inserción de datos

```
-- Creating tables
create table manufacturer (
    code int(10) primary key,
    name varchar(100)
);

create table product (
    code int(10) primary key,
    name varchar(100),
    price double,
    manufacturer_code int(10),
    foreign key (manufacturer_code) references manufacturer(code)
);

-- Inserting manufacturers
insert into manufacturer (code, name) values
(1, 'Asus'),
(2, 'Lenovo'),
(3, 'Hewlett-Packard'),
(4, 'Samsung'),
(5, 'Seagate'),
(6, 'Crucial'),
(7, 'Gigabyte'),
(8, 'Huawei'),
(9, 'Xiaomi');

-- Inserting products
insert into product (code, name, price, manufacturer_code) values
(1, '1TB SATA3 Hard Drive', 86.99, 5),
(2, '8GB DDR4 RAM', 120, 6),
(3, '1TB SSD', 150.99, 5),
(4, 'GeForce GTX 1050 Ti', 185, 7),
(5, 'GeForce GTX 1080 Xtreme', 755, 7),
(6, '24 inch Full HD LED Monitor', 202, 2),
(7, '27 inch Full HD LED Monitor', 245.99, 2),
(8, 'Yoga 520 Laptop', 560, 2),
(9, 'Ideapad 320 Laptop', 444, 2),
(10, 'HP Deskjet 3720 Printer', 50.99, 3),
(11, 'HP Laserjet Pro M426nw Printer', 148, 3);
```

# Captura de pantalla

Schema SQL

```
1 create table manufacturer (  
2   code int(10) primary key,  
3   name varchar(100)  
4 );  
5  
6 create table product (  
7   code int(10) primary key,  
8   name varchar(100),  
9   price double,  
10  manufacturer_code int(10),  
11  foreign key (manufacturer_code) references manufacturer(code)  
12 );  
13 -- inserting manufacturers  
14 insert into manufacturer (code, name) values  
15 (1, 'Asus'),  
16 (2, 'Lenovo'),  
17 (3, 'Hewlett-Packard'),  
18 (4, 'Samsung'),  
19 (5, 'Seagate'),  
20 (6, 'Crucial'),  
21 (7, 'Gigabyte');
```

Test to DDL

Query SQL

```
1 select * from manufacturer;  
2 select * from product;  
3  
4
```

Copy as Markdown

Results

Query #1 

Execution time: 0.35ms

| code | name            |
|------|-----------------|
| 1    | Asus            |
| 2    | Lenovo          |
| 3    | Hewlett-Packard |
| 4    | Samsung         |
| 5    | Seagate         |
| 6    | Crucial         |
| 7    | Gigabyte        |

Figure 1: Captura de pantalla de DB Fiddle