

## Exercícios de banco de dados

1)

```
create database db;
```

```
use db;
```

```
create table funcionarios(
```

```
matricula int (3) primary key,
```

```
nomef varchar(50)
```

```
);
```

```
create table dependente(
```

```
codigo int (3) primary key,
```

```
nomed varchar (50),
```

```
fk_funcionario int (3),
```

```
foreign key (fk_funcionario) references funcionarios(matricula)
```

```
);
```

2)

```
select f.nomef, d.nomed from funcionarios f , dependente d where f.matricula =  
d.fk_funcionario;
```

3)

```
select f.nomef, count(d.nomed) as contagem from funcionarios f , dependente d  
where f.matricula = d.fk_funcionario
```

```
group by f.nomef;
```

4)

```
create table veiculos(  
  placa varchar(60) primary key,  
  marca varchar(60),  
  modelo varchar(60),  
  cor varchar(60),  
  ipva varchar(60),  
  fk_proprietario int,  
  foreign key (fk_proprietario) references proprietario(cpf)  
);  
  
create table proprietario(  
  codigo int,  
  nome varchar(50),  
  cpf int primary key  
);
```

5)

```
select  
  p.nome,  
  v.placa,  
  v.modelo,  
  v.cor,  
  v.ipva,  
  fk_proprietario  
  
from proprietario p, veiculos v where p.cpf = v.fk_proprietario;
```

6)

```
select sum(v.ipva) as Total from veiculos v, proprietario p where p.cpf =  
v.fk_proprietario group by p.cpf;
```

7)

```
create table professor(  
matricula int primary key,  
nomep varchar(60)  
);  
  
create table disciplina(  
codigo int primary key,  
nomed varchar(60),  
fk_matricula int,  
foreign key (fk_matricula) references professor(matricula)  
);
```

8)

```
select p.nomep, d.nomed from professor p, disciplina d where d.fk_matricula =  
p.matricula;
```

9)

```
select p.nomep as Nome, count(d.nomed) as Qta from professor p, disciplina d  
where d.fk_matricula = p.matricula group by p.nomep;
```

10)

```
create table funcionarios(  
matricula int primary key,  
salario numeric(12,5),  
nomef varchar (60),  
fk_codigo int,  
foreign key (fk_codigo) references departamento (codigo)  
);
```

```
create table departamento(  
codigo int primary key,  
nomed varchar(60)  
);
```

11)

```
select f.nomef, d.nomed from funcionarios f, departamento d where f.fk_codigo=  
d.codigo;
```

12)

```
select d.nomed , count(f.nomef) as Qta from funcionarios f, departamento d  
where f.fk_codigo= d.codigo group by d.nomed;
```

13)

```
create table cargo(  
cod int primary key,  
nomec varchar(60),  
fk_funcionario int,  
foreign key (fk_funcionario) references funcionario (matricula)
```

```
);
```

```
create table funcionario(  
matricula int primary key,  
nomef varchar(60),  
salario numeric(12,3)  
);
```

14)

```
select c.nomec, sum(f.salario) from funcionario f, cargo c group by c.nomec;
```

15)

```
select  
f.nomef,  
c.nomec  
from funcionario f  
inner join cargo c on c.fk_funcionario = f.matricula;
```

16)

```
create table dependente(  
coddependente int primary key,  
nomedep varchar(90),  
data_nasc datetime,  
fk_matriculaf int,  
foreign key (fk_matriculaf) references funcionario(matricula)  
);
```

```
create table funcionario(  
matricula int primary key,  
nomefunc varchar(60),  
cpf int,  
email varchar(60),  
fk_codmunicipio int,  
foreign key (fk_codmunicipio) references municipio(codmunicipio)  
);
```

```
Create table municipio(  
codmunicipio int primary key,  
nomemuni varchar(90),  
fk_uf int,  
foreign key (fk_uf) references uf (coduf)  
);
```

```
create table uf(  
coduf int primary key,  
nomeuf varchar(90)  
);
```

17)

select

f.nomefunc as Funcionario,

d.nomedep as Dependente,

m.nomemuni as Municipio,

u.nomeuf as UF

from funcionario f, dependente d, municipio m, uf u;