

postgres - install

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postgres

Conceptos:

- install
- connect/createdb
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Install from here..

[https://www.digitalocean.com/community/tutorials/
como-instalar-y-utilizar-postgresql-en-ubuntu-16-04-es](https://www.digitalocean.com/community/tutorials/como-instalar-y-utilizar-postgresql-en-ubuntu-16-04-es)

create database

```
$ sudo -u postgres createdb shopcar
$ sudo -u postgres createuser adsoft
$ sudo -u postgres psql
postgres=# alter user adsoft with encrypted password '5i5i5i5i';
postgres=# grant all privileges on database shopcar to adsoft;
```

connect to postgres

```
$ psql -d shopcar -U adsoft
shopcar=# \list
shopcar=# \conninfo
```

create table productos

```
shopcar=# create table productos (id SERIAL NOT NULL,  
codigo int,  
nombre varchar(100),  
precio float,  
exist int,  
"createdAt" date not null default CURRENT_DATE,  
"updatedAt" date not null default CURRENT_DATE);
```

testing ...

```
shopcar=# insert into productos values(1, 'dron',  
    'dron with raspberry pi 3', 8000, 10);  
shopcar=# select * from productos;
```

creating Primary Key (PK)

```
shopcar=# alter table productos add constraint pk_productos  
    primary key (codigo);
```

delete ..

```
shopcar=# delete from productos where codigo=4;
shopcar=# delete from productos where precio > 5000
          and exist > 10;
shopcar=# delete from productos where precio > 5000
          or nombre like '%dron%'
```

update ..

```
shopcar=# update productos set precio=1500 where codigo=3;
shopcar=# update productos set precio=1000,
          exist=10, descripcion = 'intel edison '
          where codigo=3;
```

create proveedores ..

```
shopcar=# create table proveedores(  
    codigo int,  
    nombre varchar(100),  
    direccion varchar(200),  
    lat float,  
    lon float  
);
```

```
shopcar=# alter table proveedores add constraint  
        PK_prov primary key(codigo);
```

insert proveedores ..

```
shopcar=# insert into proveedores values(1, 'intel ',  
    '5th street 13', 95.000, -200.234);  
shopcar=# insert into proveedores values(2, 'dell ',  
    '20th street 190', 120.23, -150.235);
```


create provprod

```
shopcar=# create table prov_prod(  
shopcar(# id_product int ,  
shopcar(# id_prov int ,  
shopcar(# precio float ,  
shopcar(# exist int  
shopcar(# );  
  
shopcar=# alter table prov_prod add constraint PK_prov_prod  
primary key (id_product , id_prov);  
  
shopcar=# alter table prov_prod add constraint FK_id_product  
foreign key (id_product) references productos(codigo);  
  
shopcar=# alter table prov_prod add constraint FK_id_prov  
foreign key (id_prov) references proveedores(codigo);
```

insert provprod

```
shopcar=# insert into prov_prod values (3, 1, 100, 10);  
INSERT 0 1  
shopcar=# insert into prov_prod values (3, 2, 100, 10);  
INSERT 0 1  
shopcar=# insert into prov_prod values (3, 1, 100, 10);
```

insert provprod

```
git clone https://github.com/redrbrt/sepomex-zip-codes.git  
cd sepomex-zip-codes
```

NOTE: edit sepomex-abril-2016.sql, delete create database, and create table statements

create sepomex table

```
shopcar=# CREATE TABLE sepomex (  
id SERIAL NOT NULL,  
idEstado INT NOT NULL ,  
estado VARCHAR(100) NOT NULL ,  
idMunicipio SMALLINT NOT NULL ,  
municipio VARCHAR(160) NOT NULL ,  
ciudad VARCHAR(160),  
zona VARCHAR(15) NOT NULL,  
cp INT NOT NULL ,  
asentamiento VARCHAR(700) NOT NULL ,  
tipo VARCHAR(200) NOT NULL ,  
PRIMARY KEY (id)  
);  
  
shopcar=#\i sepomex_abril -2016.sql
```