Dbschema

Primera entrega 26/6/2019

Ruta en GitLab: /Actividades/BD01006/

{ TABLE "root".rol row size = 30 number of columns = 2 index size = 40 }

create table "root".rol

(

idrol serial not null ,

nombre varchar(25),

unique (nombre) ,

primary key (idrol)

);

revoke all on "root".rol from "public" as "root";

{ TABLE "root".usuario row size = 672 number of columns = 14 index size = 44 }

create table "root".usuario

(

idusuario serial not null ,

nombredeusuario varchar(20),

hash\_contra char(60) not null ,

email varchar(255) not null ,

fechanac date,

telefono varchar(15) not null ,

primernombre varchar(50) not null ,

segundonombre varchar(50),

primerapellido varchar(50) not null ,

segundoapellido varchar(50),

preguntasecreta varchar(50) not null ,

respuestasecreta varchar(50) not null ,

sexo char(1) not null ,

rol integer not null ,

unique (nombredeusuario) ,

check (sexo IN ('M' ,'F' ,'O' )),

primary key (idusuario)

);

revoke all on "root".usuario from "public" as "root";

{ TABLE "root".creadopor row size = 12 number of columns = 3 index size = 18 }

create table "root".creadopor

(

creado integer not null ,

creador integer not null ,

fechacreacion date not null ,

primary key (creado)

);

revoke all on "root".creadopor from "public" as "root";

{ TABLE "root".lugar row size = 136 number of columns = 7 index size = 124 }

create table "root".lugar

(

idlugar serial not null ,

nombre varchar(100) not null ,

capacidad integer not null ,

geox float not null ,

geoy float not null ,

usuariocreador integer not null ,

tipo varchar(6) not null ,

unique (nombre) ,

check (capacidad > 0 ),

check (tipo IN ('Patio' ,'Puerto' )),

primary key (idlugar)

);

revoke all on "root".lugar from "public" as "root";

{ TABLE "root".trabajaen row size = 20 number of columns = 5 index size = 27 }

create table "root".trabajaen

(

id serial not null ,

idlugar integer not null ,

idusuario integer not null ,

fechainicio date not null ,

fechafin date,

primary key (id)

);

revoke all on "root".trabajaen from "public" as "root";

{ TABLE "root".conexion row size = 18 number of columns = 3 index size = 25 }

create table "root".conexion

(

idtrabajaen integer,

horaingreso datetime year to minute not null ,

horasalida datetime year to minute,

primary key (idtrabajaen,horaingreso)

);

revoke all on "root".conexion from "public" as "root";

{ TABLE "root".zona row size = 113 number of columns = 4 index size = 22 }

create table "root".zona

(

idlugar integer,

idzona serial not null ,

nombre varchar(100) not null ,

capacidad integer not null ,

check (capacidad > 0 ),

primary key (idlugar,idzona)

);

revoke all on "root".zona from "public" as "root";

{ TABLE "root".subzona row size = 67 number of columns = 5 index size = 30 }

create table "root".subzona

(

idlugar integer,

idzona integer,

idsub serial not null ,

nombre varchar(50) not null ,

capacidad integer not null ,

check (capacidad > 0 ),

primary key (idlugar,idzona,idsub)

);

revoke all on "root".subzona from "public" as "root";

{ TABLE "root".vehiculo row size = 215 number of columns = 9 index size = 31 }

create table "root".vehiculo

(

vin char(17),

marca varchar(50),

modelo varchar(50),

color char(6),

tipo varchar(25) not null ,

anio integer,

clientenombre varchar(50) not null ,

puertoarriba integer,

fechaarribo datetime year to day,

check (tipo IN ('Auto' ,'MiniVan' ,'SUV' ,'Camion' ,'Van' )),

check ((anio >= 1900 ) AND (anio <= 10000 ) ),

primary key (vin)

);

revoke all on "root".vehiculo from "public" as "root";

{ TABLE "root".vehiculoingresa row size = 37 number of columns = 4 index size = 58 }

create table "root".vehiculoingresa

(

vin char(17),

fecha datetime year to day not null ,

tipoingreso varchar(10) not null ,

usuario integer not null ,

check (tipoingreso IN ('Precarga' ,'Alta' ,'Baja' )),

primary key (vin,fecha)

);

revoke all on "root".vehiculoingresa from "public" as "root";

{ TABLE "root".informedanios row size = 341 number of columns = 7 index size = 4 9 }

create table "root".informedanios

(

id serial not null ,

descripcion varchar(255) not null ,

fecha datetime year to day not null ,

tipo varchar(50) not null ,

vin char(17) not null ,

idlugar integer not null ,

idusuario integer not null ,

check (tipo IN ('Total' ,'Parcial' )),

primary key (id)

);

revoke all on "root".informedanios from "public" as "root";

{ TABLE "root".registrodanios row size = 264 number of columns = 3 index size = 22 }

create table "root".registrodanios

(

informedanios integer not null ,

nroenlista serial not null ,

descripcion varchar(255) not null ,

primary key (informedanios,nroenlista)

);

revoke all on "root".registrodanios from "public" as "root";

{ TABLE "root".imagenregistro row size = 68 number of columns = 4 index size = 3 0 }

create table "root".imagenregistro

(

informe integer,

nrolista integer,

nroimagen serial not null ,

imagen byte not null ,

primary key (informe,nrolista,nroimagen)

);

revoke all on "root".imagenregistro from "public" as "root";

{ TABLE "root".actualiza row size = 32 number of columns = 5 index size = 47 }

create table "root".actualiza

(

informe1 integer,

registro1 integer,

informe2 integer,

registro2 integer,

tipo varchar(15) not null ,

check (tipo IN ('Anulacion' ,'Correccion' )),

primary key (informe1,registro1,informe2,registro2)

);

revoke all on "root".actualiza from "public" as "root";

{ TABLE "root".posicionado row size = 49 number of columns = 8 index size = 88 }

create table "root".posicionado

(

idlugar integer,

idzona integer,

idsub integer,

vin char(17),

desde datetime year to hour,

hasta datetime year to hour,

posicion integer not null ,

idusuario integer not null ,

check (posicion > 0 ),

primary key (idlugar,idzona,idsub,vin,desde)

);

revoke all on "root".posicionado from "public" as "root";

{ TABLE "root".camion row size = 130 number of columns = 5 index size = 31 }

create table "root".camion

(

vin char(17),

marca varchar(50) not null ,

modelo varchar(50) not null ,

matricula char(7) not null ,

usuarioingresa integer not null ,

primary key (vin)

);

revoke all on "root".camion from "public" as "root";

{ TABLE "root".rampascamion row size = 37 number of columns = 6 index size = 48 }

create table "root".rampascamion

(

vin char(17),

rampait integer,

cantcamiones integer not null ,

cantautos integer not null ,

cantsuv integer not null ,

cantminivan integer not null ,

check (rampait > 0 ),

check (cantcamiones > -1 ),

check (cantautos > -1 ),

check (cantsuv > -1 ),

check (cantminivan > -1 ),

primary key (vin,rampait)

);

revoke all on "root".rampascamion from "public" as "root";

{ TABLE "root".conduce row size = 29 number of columns = 4 index size = 61 }

create table "root".conduce

(

vin char(17),

usuario integer,

desde date,

hasta date,

primary key (vin,usuario,desde)

);

revoke all on "root".conduce from "public" as "root";

{ TABLE "root".lote row size = 59 number of columns = 7 index size = 62 }

create table "root".lote

(

idlote serial not null ,

nombre varchar(20),

desde integer not null ,

hacia integer not null ,

creadorid integer not null ,

prioridad varchar(10) not null ,

estado varchar(10) not null ,

unique (nombre) ,

check (prioridad IN ('Normal' ,'Alta' )),

check (estado IN ('Abierto' ,'Cerrado' )),

primary key (idlote)

);

revoke all on "root".lote from "public" as "root";

{ TABLE "root".integra row size = 34 number of columns = 5 index size = 73 }

create table "root".integra

(

vin char(17),

lote integer,

fecha datetime year to minute,

invalidado "informix".boolean not null ,

idusuario integer not null ,

primary key (vin,lote,fecha)

);

revoke all on "root".integra from "public" as "root";

{ TABLE "root".transporte row size = 33 number of columns = 5 index size = 18 }

create table "root".transporte

(

transporteid serial not null ,

usuario integer not null ,

fechahorasalida datetime year to minute not null ,

fechahorallegada datetime year to minute not null ,

estado varchar(10) not null ,

check (estado IN ('En proceso' ,'Fallo' ,'Exitoso' )),

primary key (transporteid)

);

revoke all on "root".transporte from "public" as "root";

{ TABLE "root".transporta row size = 8 number of columns = 2 index size = 31 }

create table "root".transporta

(

transporteid integer,

idlote integer,

primary key (transporteid,idlote)

);

revoke all on "root".transporta from "public" as "root";

{ TABLE "root".link row size = 260 number of columns = 2 index size = 9 }

create table "root".link

(

link varchar(255) not null ,

transportista integer,

primary key (transportista)

);

revoke all on "root".link from "public" as "root";

grant select on "root".rol to "public" as "root";

grant update on "root".rol to "public" as "root";

grant insert on "root".rol to "public" as "root";

grant delete on "root".rol to "public" as "root";

grant index on "root".rol to "public" as "root";

grant select on "root".usuario to "public" as "root";

grant update on "root".usuario to "public" as "root";

grant insert on "root".usuario to "public" as "root";

grant delete on "root".usuario to "public" as "root";

grant index on "root".usuario to "public" as "root";

grant select on "root".creadopor to "public" as "root";

grant update on "root".creadopor to "public" as "root";

grant insert on "root".creadopor to "public" as "root";

grant delete on "root".creadopor to "public" as "root";

grant index on "root".creadopor to "public" as "root";

grant select on "root".lugar to "public" as "root";

grant update on "root".lugar to "public" as "root";

grant insert on "root".lugar to "public" as "root";

grant delete on "root".lugar to "public" as "root";

grant index on "root".lugar to "public" as "root";

grant select on "root".trabajaen to "public" as "root";

grant update on "root".trabajaen to "public" as "root";

grant insert on "root".trabajaen to "public" as "root";

grant delete on "root".trabajaen to "public" as "root";

grant index on "root".trabajaen to "public" as "root";

grant select on "root".conexion to "public" as "root";

grant update on "root".conexion to "public" as "root";

grant insert on "root".conexion to "public" as "root";

grant delete on "root".conexion to "public" as "root";

grant index on "root".conexion to "public" as "root";

grant select on "root".zona to "public" as "root";

grant update on "root".zona to "public" as "root";

grant insert on "root".zona to "public" as "root";

grant delete on "root".zona to "public" as "root";

grant index on "root".zona to "public" as "root";

grant select on "root".subzona to "public" as "root";

grant update on "root".subzona to "public" as "root";

grant insert on "root".subzona to "public" as "root";

grant delete on "root".subzona to "public" as "root";

grant index on "root".subzona to "public" as "root";

grant select on "root".vehiculo to "public" as "root";

grant update on "root".vehiculo to "public" as "root";

grant insert on "root".vehiculo to "public" as "root";

grant delete on "root".vehiculo to "public" as "root";

grant index on "root".vehiculo to "public" as "root";

grant select on "root".vehiculoingresa to "public" as "root";

grant update on "root".vehiculoingresa to "public" as "root";

grant insert on "root".vehiculoingresa to "public" as "root";

grant delete on "root".vehiculoingresa to "public" as "root";

grant index on "root".vehiculoingresa to "public" as "root";

grant select on "root".informedanios to "public" as "root";

grant update on "root".informedanios to "public" as "root";

grant insert on "root".informedanios to "public" as "root";

grant delete on "root".informedanios to "public" as "root";

grant index on "root".informedanios to "public" as "root";

grant select on "root".registrodanios to "public" as "root";

grant update on "root".registrodanios to "public" as "root";

grant insert on "root".registrodanios to "public" as "root";

grant delete on "root".registrodanios to "public" as "root";

grant index on "root".registrodanios to "public" as "root";

grant select on "root".imagenregistro to "public" as "root";

grant update on "root".imagenregistro to "public" as "root";

grant insert on "root".imagenregistro to "public" as "root";

grant delete on "root".imagenregistro to "public" as "root";

grant index on "root".imagenregistro to "public" as "root";

grant select on "root".actualiza to "public" as "root";

grant update on "root".actualiza to "public" as "root";

grant insert on "root".actualiza to "public" as "root";

grant delete on "root".actualiza to "public" as "root";

grant index on "root".actualiza to "public" as "root";

grant select on "root".posicionado to "public" as "root";

grant update on "root".posicionado to "public" as "root";

grant insert on "root".posicionado to "public" as "root";

grant delete on "root".posicionado to "public" as "root";

grant index on "root".posicionado to "public" as "root";

grant select on "root".camion to "public" as "root";

grant update on "root".camion to "public" as "root";

grant insert on "root".camion to "public" as "root";

grant delete on "root".camion to "public" as "root";

grant index on "root".camion to "public" as "root";

grant select on "root".rampascamion to "public" as "root";

grant update on "root".rampascamion to "public" as "root";

grant insert on "root".rampascamion to "public" as "root";

grant delete on "root".rampascamion to "public" as "root";

grant index on "root".rampascamion to "public" as "root";

grant select on "root".conduce to "public" as "root";

grant update on "root".conduce to "public" as "root";

grant insert on "root".conduce to "public" as "root";

grant delete on "root".conduce to "public" as "root";

grant index on "root".conduce to "public" as "root";

grant select on "root".lote to "public" as "root";

grant update on "root".lote to "public" as "root";

grant insert on "root".lote to "public" as "root";

grant delete on "root".lote to "public" as "root";

grant index on "root".lote to "public" as "root";

grant select on "root".integra to "public" as "root";

grant update on "root".integra to "public" as "root";

grant insert on "root".integra to "public" as "root";

grant delete on "root".integra to "public" as "root";

grant index on "root".integra to "public" as "root";

grant select on "root".transporte to "public" as "root";

grant update on "root".transporte to "public" as "root";

grant insert on "root".transporte to "public" as "root";

grant delete on "root".transporte to "public" as "root";

grant index on "root".transporte to "public" as "root";

grant select on "root".transporta to "public" as "root";

grant update on "root".transporta to "public" as "root";

grant insert on "root".transporta to "public" as "root";

grant delete on "root".transporta to "public" as "root";

grant index on "root".transporta to "public" as "root";

grant select on "root".link to "public" as "root";

grant update on "root".link to "public" as "root";

grant insert on "root".link to "public" as "root";

grant delete on "root".link to "public" as "root";

grant index on "root".link to "public" as "root";

revoke usage on language SPL from public ;

grant usage on language SPL to public ;

alter table "root".usuario add constraint (foreign key (rol)

references "root".rol on delete cascade);

alter table "root".creadopor add constraint (foreign key (creado)

references "root".usuario on delete cascade);

alter table "root".creadopor add constraint (foreign key (creador)

references "root".usuario on delete cascade);

alter table "root".lugar add constraint (foreign key (usuariocreador)

references "root".usuario );

alter table "root".trabajaen add constraint (foreign key (idlugar)

references "root".lugar on delete cascade);

alter table "root".trabajaen add constraint (foreign key (idusuario)

references "root".usuario on delete cascade);

alter table "root".conexion add constraint (foreign key (idtrabajaen)

references "root".trabajaen on delete cascade);

alter table "root".zona add constraint (foreign key (idlugar)

references "root".lugar on delete cascade);

alter table "root".subzona add constraint (foreign key (idlugar,

idzona) references "root".zona on delete cascade);

alter table "root".vehiculo add constraint (foreign key (puertoarriba)

references "root".lugar on delete cascade);

alter table "root".vehiculoingresa add constraint (foreign key

(vin) references "root".vehiculo on delete cascade);

alter table "root".vehiculoingresa add constraint (foreign key

(usuario) references "root".usuario on delete cascade);

alter table "root".informedanios add constraint (foreign key

(idusuario) references "root".usuario on delete cascade);

alter table "root".informedanios add constraint (foreign key

(vin) references "root".vehiculo on delete cascade);

alter table "root".informedanios add constraint (foreign key

(idlugar) references "root".lugar on delete cascade);

alter table "root".registrodanios add constraint (foreign key

(informedanios) references "root".informedanios on delete

cascade);

alter table "root".imagenregistro add constraint (foreign key

(informe,nrolista) references "root".registrodanios on delete

cascade);

alter table "root".actualiza add constraint (foreign key (informe1,

registro1) references "root".registrodanios on delete cascade);

alter table "root".actualiza add constraint (foreign key (informe2,

registro2) references "root".registrodanios on delete cascade);

alter table "root".posicionado add constraint (foreign key (vin)

references "root".vehiculo on delete cascade);

alter table "root".posicionado add constraint (foreign key (idlugar,

idzona,idsub) references "root".subzona on delete cascade);

alter table "root".posicionado add constraint (foreign key (idusuario)

references "root".usuario on delete cascade);

alter table "root".camion add constraint (foreign key (usuarioingresa)

references "root".usuario on delete cascade);

alter table "root".rampascamion add constraint (foreign key (vin)

references "root".camion on delete cascade);

alter table "root".conduce add constraint (foreign key (vin)

references "root".camion on delete cascade);

alter table "root".conduce add constraint (foreign key (usuario)

references "root".usuario on delete cascade);

alter table "root".lote add constraint (foreign key (desde) references

"root".lugar on delete cascade);

alter table "root".lote add constraint (foreign key (hacia) references

"root".lugar on delete cascade);

alter table "root".lote add constraint (foreign key (creadorid)

references "root".usuario on delete cascade);

alter table "root".integra add constraint (foreign key (vin)

references "root".vehiculo on delete cascade);

alter table "root".integra add constraint (foreign key (lote)

references "root".lote on delete cascade);

alter table "root".integra add constraint (foreign key (idusuario)

references "root".usuario on delete cascade);

alter table "root".transporte add constraint (foreign key (usuario)

references "root".usuario on delete cascade);

alter table "root".transporta add constraint (foreign key (transporteid)

references "root".transporte on delete cascade);

alter table "root".transporta add constraint (foreign key (idlote)

references "root".lote on delete cascade);

alter table "root".link add constraint (foreign key (transportista)

references "root".usuario on delete cascade);