problema2

create table bitacora\_cliente(numero serial,ci\_cli int, fecha date,hora time, tipo\_registro varchar(10), usuario varchar(10));

create or replace function update\_bitacora\_cliente() returns trigger as

$$

begin

insert into bitacora\_cliente(ci\_cli,fecha,hora,tipo\_registro,usuario) values(new.ci\_cli,current\_date,current\_time,Tg\_op,current\_user);

return null;

end;

$$language plpgsql;

create trigger bit\_cliente\_au after update on cliente for each row execute procedure

update\_bitacora\_cliente();

create or replace function insert\_bitacora\_cliente() returns trigger as

$$

begin

insert into bitacora\_cliente(ci\_cli,fecha,hora,tipo\_registro,usuario) values(new.ci\_cli,current\_date,current\_time,Tg\_op,current\_user);

return null;

end;

$$language plpgsql;

create trigger bit\_cliente\_ia after insert on cliente for each row execute procedure

insert\_bitacora\_cliente();

create or replace function delete\_bitacora\_cliente() returns trigger as

$$

begin

insert into bitacora\_cliente(ci\_cli,fecha,hora,tipo\_registro,usuario) values(old.ci\_cli,current\_date,current\_time,Tg\_op,current\_user);

return null;

end;

$$language plpgsql;

create trigger bit\_cliente\_da after delete on cliente for each row execute procedure

delete\_bitacora\_cliente();

problema 1 y 3 es igual al problema 2

problema 4

create or replace function negativo\_numcasa\_prov() returns trigger as

$$

declare

tipo varchar(10):=tg\_op;

begin

if new.dir\_numcasa\_prov <= 0 then

raise exception 'El valor % no se puede ingresar porque es negativo',new.dir\_numcasa\_prov;

else

if upper(tipo) = 'INSERT' then

raise notice 'El valor trigger % --> La fila se ingresó correctamente', tg\_name;

else

raise notice 'El valor trigger % --> La fila se actualizo correctamente', tg\_name;

end if;

end if;

return new;

end;

$$language plpgsql;

create trigger tri\_validar\_numcasa\_prov after insert or update on proveedor for each row execute procedure negativo\_numcasa\_prov();

problema5

Date\_part('year',now()::date)-Date\_part('year',fechanac\_cli::date)

create or replace function edad\_menor18\_cli() returns trigger as

$$

declare

tipo varchar(10):=tg\_op;

begin

if Date\_part('year',now()::date)-Date\_part('year',new.fechanac\_cli::date) <= 18 then

raise exception 'La edad del clinte es: % ,no puede ser menor a 18',Date\_part('year',now()::date)-Date\_part('year',new.fechanac\_cli::date);

else

if upper(tipo) = 'INSERT' then

raise notice 'El valor trigger % --> La fila se ingresó correctamente', tg\_name;

else

raise notice 'El valor trigger % --> La fila se actualizo correctamente', tg\_name;

end if;

end if;

return new;

end;

$$language plpgsql;

create trigger tri\_edad\_menor\_cli after insert or update on cliente for each row execute procedure edad\_menor18\_cli();

problema6

create or replace function no\_borrar\_prov2587() returns trigger as

$$

declare

tipo varchar(10):=tg\_op;

begin

if new.nit\_pro = 2587 then

raise exception 'El proveedor con nit: % ,no esta permito borrar',new.nit\_pro;

else

if upper(tipo) = 'DELETE' then

raise notice 'El valor trigger % --> La fila se borro correctamente', tg\_name;

else

raise notice 'El valor trigger % --> La fila se actualizo correctamente', tg\_name;

end if;

end if;

return new;

end;

$$language plpgsql;

create trigger tri\_no\_borrar\_prov2587 after delete or update on proveedor for each row execute procedure no\_borrar\_prov2587();