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TANITIM

Bir araç kiralama firması müşterilerin araç kiralamasını sağlar ve müşterilere ait rezervasyon bilgilerini sakladığı bir yazılım sistemi oluşturdum.

İŞ KURALLARI

Aracın numarası, model, renk, kişi sayısı, yakıt tipi, vites tipi bilgileri mevcuttur.

Müşteri adı, soyadı, telefon numarası, e-mail bilgilerine sahiptir.

Satış temsilcisi ad, soyadı bilgilerine sahiptir.

Kayıt ad, soyadı, e-mail bilgilerine sahiptir.

Ofis telefon numarası, personel sayısı, konum bilgileri mevcuttur.

İletişim e-mail, telefon numarası bilgileri mevcuttur.

Şikayet kodu, ad, soyadı, e-mail, şikayet konusu, bilgileri mevcuttur.

Rezervasyon numarası, adres, tarih, alış yeri bilgileri mevcuttur.

Temizlik şirketi şirket numarası, araç sayısı, temizlik ürünleri bilgileri mevcuttur.

Hakkında personel, araç, ofis bilgilerine sahiptir.

Fiyat para birimi, fiyat taksiti, ücret bilgilerine sahiptir.

Müşteri kayıt yaptırmak zorundadır.

Bir müşteri birden fazla araba kiralayabilir. Bir araba yalnızca bir müşteri tarafından kiralanır.

Bir müşteri birden fazla rezervasyon yaptırabilir. Bir rezervasyon yalnızca bir müşteri tarafından yapılır.

Bir aracın yalnız bir fiyatı vardır. Bir fiyat birden çok araca verilebilir.

Bir ilde birden çok ofis bulunabilir. Bir ofis birden çok ilde bulunur.

Bir ilçede ya hiç ya da bir şirket bulunur. Bir şirket bir ilçede bulunur.

Bir şirketin bir iletişim noktası vardır. Bir iletişim noktası birden çok şirketi vardır.

Bir satış temsilcisi birden fazla araç kiralayabilir. Bir araç yalnız bir satış temsilcisi tarafından kiralanır.

Bir araç yalnız bir temizlik şirketi tarafından temizlenir. Bir temizlik şirketi birden çok araç temizleyebilir.

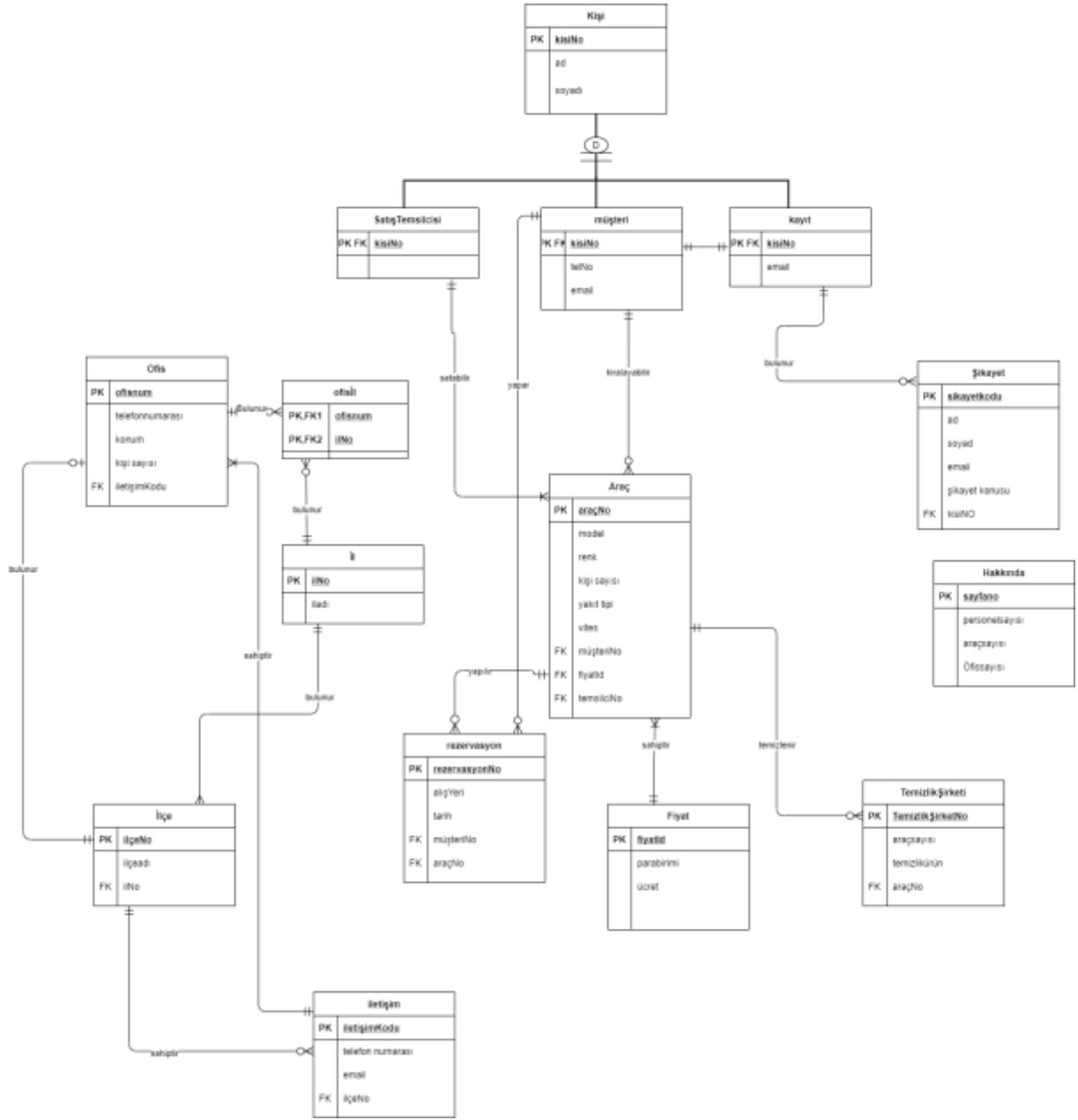
Bir müşteri çok sayıda şikayette bulunabilir. Bir şikayet yalnızca bir müşteriye aittir.

Bir rezervasyon yalnızca bir araca yapılır. Bir araç birden çok rezervasyon yapabilir.

İLİŞKİSEL ŞEMA (METİNSEL GÖSTERİM)

- Kişi(**kisiNo:int**, ad:string, soyadı:string)
- SatışTemsilcisi(**kisiNo:int**)
- Müşteri(**kisiNo:int**, telno:int,email:string)
- Kayıt(**kisiNo:int**, email:string)
- Ofis(**ofisnum:int**, **iletişimkodu:int**, telefonnumarası:int, konum:string, kisisayı:int)
- ofisil(**ofisnum:int**, **ilNo:int**)
- il(**ilNo:int**, iladı:string)
- ilçe(**ilçeno:int**, **ilno:int**, ilçeadı:string)
- iletişim(**iletişimkodu:int**, **ilçeNo:int**,telefonnumarası:int, email:string)
- Araç(**araçNo:int**, **müşteriNo:int**, **fiyatld:int**, **temsilciNo:int**, model:string, renk:string, kisisayı:int, yakittipi:string, vitestipi:string)
- Rezervasyon(**rezervasyonNo:int**, **müşteriNo:int**, **araçNo:int**, alısyeri:string, tarih:date)
- Fiyat(**fiyatld:int**, parabirimi:string, ücret:int)
- Temizlikşirketi(**temizlikşirketNo:int**, **araçNo:int** ,araçsayısı:int, temizlikürünü:string)
- Hakkımda(**sayfano:int**, personelsayı:int,aracsayı:int,ofissayı:int)
- Şikayet(**şikayetkodu:int**, **kisiNo:int** ,ad:string, soyad:string,email:string,şikayetkonusu:string)

VARLIK BAĞINTI MODELİ (Crow's Foot gösterimi)



SQL İFADELER

--

-- PostgreSQL database dump

--

-- Dumped from database version 13.1

-- Dumped by pg_dump version 13.1

SET statement_timeout = 0;

SET lock_timeout = 0;

SET idle_in_transaction_session_timeout = 0;

SET client_encoding = 'UTF8';

SET standard_conforming_strings = on;

SELECT pg_catalog.set_config('search_path', '', false);

SET check_function_bodies = false;

SET xmloption = content;

SET client_min_messages = warning;

SET row_security = off;

--

-- Name: arackiralama; Type: DATABASE; Schema: -; Owner: postgres

--

CREATE DATABASE arackiralama WITH TEMPLATE = template0 ENCODING = 'UTF8' LOCALE = 'Turkish_Turkey.1254';

ALTER DATABASE arackiralama OWNER TO postgres;

```
\connect arackiralama
```

```
SET statement_timeout = 0;
```

```
SET lock_timeout = 0;
```

```
SET idle_in_transaction_session_timeout = 0;
```

```
SET client_encoding = 'UTF8';
```

```
SET standard_conforming_strings = on;
```

```
SELECT pg_catalog.set_config('search_path', '', false);
```

```
SET check_function_bodies = false;
```

```
SET xmloption = content;
```

```
SET client_min_messages = warning;
```

```
SET row_security = off;
```

```
--
```

```
-- Name: arac(); Type: FUNCTION; Schema: public; Owner: postgres
```

```
--
```

```
CREATE FUNCTION public.arac() RETURNS trigger
```

```
    LANGUAGE plpgsql
```

```
    AS $$
```

```
begin
```

```
update hakimda set arac=arac+1;
```

```
return new ;
```

```
end;
```

```
$$;
```

```
ALTER FUNCTION public.arac() OWNER TO postgres;
```

--

-- Name: aracara(integer); Type: FUNCTION; Schema: public; Owner: postgres

--

CREATE FUNCTION public.aracara(num integer) RETURNS TABLE(numara integer, colour character varying, models character varying, peoplenmber character varying)

LANGUAGE plpgsql

AS \$\$

BEGIN

RETURN QUERY SELECT "aracno", "renk", "model", "kisisayisi" FROM arac

WHERE "aracno" = num;

END;

\$\$;

ALTER FUNCTION public.aracara(num integer) OWNER TO postgres;

--

-- Name: dolarhesap(real); Type: FUNCTION; Schema: public; Owner: postgres

--

CREATE FUNCTION public.dolarhesap(dolar real) RETURNS real

LANGUAGE plpgsql

AS \$\$

BEGIN

RETURN 7.41 * dolar ;

END;

\$\$;

```
ALTER FUNCTION public.dolarhesap(dolar real) OWNER TO postgres;
```

```
--
```

```
-- Name: fiyatguncelleme(); Type: FUNCTION; Schema: public; Owner: postgres
```

```
--
```

```
CREATE FUNCTION public.fiyatguncelleme() RETURNS trigger
```

```
    LANGUAGE plpgsql
```

```
    AS $$
```

```
BEGIN
```

```
IF NEW."ucret" <> OLD."ucret" THEN
```

```
INSERT INTO "degisenucret"("fiyatId","eskiucret","yeniucret")
```

```
VALUES(OLD."fiyatId",OLD."ucret",NEW."ucret" , CURRENT_TIMESTAMP::TIMESTAMP);
```

```
END IF;
```

```
RETURN NEW;
```

```
END;
```

```
$$;
```

```
ALTER FUNCTION public.fiyatguncelleme() OWNER TO postgres;
```

```
--
```

```
-- Name: ilekle(); Type: FUNCTION; Schema: public; Owner: postgres
```

```
--
```

```
CREATE FUNCTION public.ilekle() RETURNS trigger
```

```
    LANGUAGE plpgsql
```

```
    AS $$
```



```
begin
update ofisil set ilno=ilno+1;
return new ;
end;
$$;
```

```
ALTER FUNCTION public.ilekle() OWNER TO postgres;
```

```
--
-- Name: kisiara(integer); Type: FUNCTION; Schema: public; Owner: postgres
--
```

```
CREATE FUNCTION public.kisiara(num integer) RETURNS TABLE(numara integer, isim
character varying, soyisim character varying)
    LANGUAGE plpgsql
    AS $$
BEGIN
    RETURN QUERY SELECT "kisino", "adi", "soyadi" FROM kisi
        WHERE "kisino" = num;
END;
$$;
```

```
ALTER FUNCTION public.kisiara(num integer) OWNER TO postgres;
```

```
--
-- Name: personel(); Type: FUNCTION; Schema: public; Owner: postgres
--
```

```
CREATE FUNCTION public.personel() RETURNS trigger
```

```
    LANGUAGE plpgsql
```

```
    AS $$
```

```
begin
```

```
update hakimda set personel=personel+1;
```

```
return new ;
```

```
end;
```

```
$$;
```

```
ALTER FUNCTION public.personel() OWNER TO postgres;
```

```
--
```

```
-- Name: rezervasyontarihi(date); Type: FUNCTION; Schema: public; Owner: postgres
```

```
--
```

```
CREATE FUNCTION public.rezervasyontarihi(tarihh date) RETURNS TABLE(yeri character  
varying, musterinum integer, trh date)
```

```
    LANGUAGE plpgsql
```

```
    AS $$
```

```
BEGIN
```

```
    RETURN QUERY SELECT "alisyeri", "musterino", "tarih" FROM rezervasyon
```

```
        WHERE "tarih" = tarihh;
```

```
END;
```

```
$$;
```

```
ALTER FUNCTION public.rezervasyontarihi(tarihh date) OWNER TO postgres;
```

```
SET default_tablespace = '';
```

```
SET default_table_access_method = heap;
```

```
--
```

```
-- Name: arac; Type: TABLE; Schema: public; Owner: postgres
```

```
--
```

```
CREATE TABLE public.arac (
```

```
    aracno integer NOT NULL,
```

```
    model character varying(40) NOT NULL,
```

```
    renk character varying(40) NOT NULL,
```

```
    kisisayisi character varying(40) NOT NULL,
```

```
    yakittipi character varying(40) NOT NULL,
```

```
    musterino integer NOT NULL,
```

```
    "fiyatId" integer NOT NULL,
```

```
    temsilcino integer NOT NULL
```

```
);
```

```
ALTER TABLE public.arac OWNER TO postgres;
```

```
--
```

```
-- Name: arac_aracno_seq; Type: SEQUENCE; Schema: public; Owner: postgres
```

```
--
```

```
CREATE SEQUENCE public.arac_aracno_seq
```

```
    AS integer
```

```
    START WITH 1
```

```
    INCREMENT BY 1
```

NO MINVALUE

NO MAXVALUE

CACHE 1;

ALTER TABLE public.arac_aracno_seq OWNER TO postgres;

--

-- Name: arac_aracno_seq; Type: SEQUENCE OWNED BY; Schema: public; Owner: postgres

--

ALTER SEQUENCE public.arac_aracno_seq OWNED BY public.arac.aracno;

--

-- Name: arac_fiyatId_seq; Type: SEQUENCE; Schema: public; Owner: postgres

--

CREATE SEQUENCE public."arac_fiyatId_seq"

AS integer

START WITH 1

INCREMENT BY 1

NO MINVALUE

NO MAXVALUE

CACHE 1;

ALTER TABLE public."arac_fiyatId_seq" OWNER TO postgres;

```
--  
-- Name: arac_fiyatId_seq; Type: SEQUENCE OWNED BY; Schema: public; Owner: postgres  
--
```

```
ALTER SEQUENCE public."arac_fiyatId_seq" OWNED BY public.arac."fiyatId";
```

```
--  
-- Name: arac_musterino_seq; Type: SEQUENCE; Schema: public; Owner: postgres  
--
```

```
CREATE SEQUENCE public.arac_musterino_seq
```

```
AS integer
```

```
START WITH 1
```

```
INCREMENT BY 1
```

```
NO MINVALUE
```

```
NO MAXVALUE
```

```
CACHE 1;
```

```
ALTER TABLE public.arac_musterino_seq OWNER TO postgres;
```

```
--  
-- Name: arac_musterino_seq; Type: SEQUENCE OWNED BY; Schema: public; Owner:  
postgres  
--
```

```
ALTER SEQUENCE public.arac_musterino_seq OWNED BY public.arac.musterino;
```

```
--  
-- Name: arac_temsilcino_seq; Type: SEQUENCE; Schema: public; Owner: postgres  
--
```

```
CREATE SEQUENCE public.arac_temsilcino_seq
```

```
AS integer
```

```
START WITH 1
```

```
INCREMENT BY 1
```

```
NO MINVALUE
```

```
NO MAXVALUE
```

```
CACHE 1;
```

```
ALTER TABLE public.arac_temsilcino_seq OWNER TO postgres;
```

```
--  
-- Name: arac_temsilcino_seq; Type: SEQUENCE OWNED BY; Schema: public; Owner:  
postgres  
--
```

```
ALTER SEQUENCE public.arac_temsilcino_seq OWNED BY public.arac.temsilcino;
```

```
--  
-- Name: fiyat; Type: TABLE; Schema: public; Owner: postgres  
--
```

```
CREATE TABLE public.fiyat (
```

```
    fiyatid integer NOT NULL,
```

```
    parabirimi character varying(20) NOT NULL,
```

```
    ucrt integer NOT NULL
);
```

```
ALTER TABLE public.fiyat OWNER TO postgres;
```

```
--
-- Name: fiyat_fiyatId_seq; Type: SEQUENCE; Schema: public; Owner: postgres
--
```

```
CREATE SEQUENCE public."fiyat_fiyatId_seq"
    AS integer
    START WITH 1
    INCREMENT BY 1
    NO MINVALUE
    NO MAXVALUE
    CACHE 1;
```

```
ALTER TABLE public."fiyat_fiyatId_seq" OWNER TO postgres;
```

```
--
-- Name: fiyat_fiyatId_seq; Type: SEQUENCE OWNED BY; Schema: public; Owner: postgres
--
```

```
ALTER SEQUENCE public."fiyat_fiyatId_seq" OWNED BY public.fiyat.fiyatId;
```

```
--
```

-- Name: hakimda; Type: TABLE; Schema: public; Owner: postgres

--

```
CREATE TABLE public.hakimda (  
    sayfano integer NOT NULL,  
    personel integer NOT NULL,  
    arac integer NOT NULL,  
    ofis character varying(40) NOT NULL  
);
```

ALTER TABLE public.hakimda OWNER TO postgres;

--

-- Name: hakimda_sayfano_seq; Type: SEQUENCE; Schema: public; Owner: postgres

--

```
CREATE SEQUENCE public.hakimda_sayfano_seq  
    AS integer  
    START WITH 1  
    INCREMENT BY 1  
    NO MINVALUE  
    NO MAXVALUE  
    CACHE 1;
```

ALTER TABLE public.hakimda_sayfano_seq OWNER TO postgres;

--


```
-- Name: hakimda_sayfano_seq; Type: SEQUENCE OWNED BY; Schema: public; Owner: postgres
```

```
--
```

```
ALTER SEQUENCE public.hakimda_sayfano_seq OWNED BY public.hakimda.sayfano;
```

```
--
```

```
-- Name: il; Type: TABLE; Schema: public; Owner: postgres
```

```
--
```

```
CREATE TABLE public.il (  
    ilno integer NOT NULL,  
    "iladi" character varying(20) NOT NULL  
);
```

```
ALTER TABLE public.il OWNER TO postgres;
```

```
--
```

```
-- Name: il_ilno_seq; Type: SEQUENCE; Schema: public; Owner: postgres
```

```
--
```

```
CREATE SEQUENCE public.il_ilno_seq
```

```
    AS integer
```

```
    START WITH 1
```

```
    INCREMENT BY 1
```

```
    NO MINVALUE
```

```
    NO MAXVALUE
```

```
    CACHE 1;
```

```
ALTER TABLE public.il_ilno_seq OWNER TO postgres;
```

```
--
```

```
-- Name: il_ilno_seq; Type: SEQUENCE OWNED BY; Schema: public; Owner: postgres
```

```
--
```

```
ALTER SEQUENCE public.il_ilno_seq OWNED BY public.il.ilno;
```

```
--
```

```
-- Name: ilce; Type: TABLE; Schema: public; Owner: postgres
```

```
--
```

```
CREATE TABLE public.ilce (  
    ilceno integer NOT NULL,  
    "ilceadı" character varying(20) NOT NULL,  
    ilno integer NOT NULL  
);
```

```
ALTER TABLE public.ilce OWNER TO postgres;
```

```
--
```

```
-- Name: ilce_ilceno_seq; Type: SEQUENCE; Schema: public; Owner: postgres
```

```
--
```

```
CREATE SEQUENCE public.ilce_ilceno_seq
```

```
AS integer
START WITH 1
INCREMENT BY 1
NO MINVALUE
NO MAXVALUE
CACHE 1;
```

```
ALTER TABLE public.ilce_ilceno_seq OWNER TO postgres;
```

```
--
-- Name: ilce_ilceno_seq; Type: SEQUENCE OWNED BY; Schema: public; Owner: postgres
--
```

```
ALTER SEQUENCE public.ilce_ilceno_seq OWNED BY public.ilce.ilceno;
```

```
--
-- Name: iletişim; Type: TABLE; Schema: public; Owner: postgres
--
```

```
CREATE TABLE public."iletiřim" (
    iletisimkodu integer NOT NULL,
    telno character varying(20) NOT NULL,
    email character varying(40) NOT NULL,
    ilceno integer NOT NULL
);
```

```
ALTER TABLE public."iletiřim" OWNER TO postgres;
```

```
--
```

```
-- Name: iletiřim_iletisimkodu_seq; Type: SEQUENCE; Schema: public; Owner: postgres
```

```
--
```

```
CREATE SEQUENCE public."iletiřim_iletisimkodu_seq"
```

```
AS integer
```

```
START WITH 1
```

```
INCREMENT BY 1
```

```
NO MINVALUE
```

```
NO MAXVALUE
```

```
CACHE 1;
```

```
ALTER TABLE public."iletiřim_iletisimkodu_seq" OWNER TO postgres;
```

```
--
```

```
-- Name: iletiřim_iletisimkodu_seq; Type: SEQUENCE OWNED BY; Schema: public; Owner: postgres
```

```
--
```

```
ALTER SEQUENCE public."iletiřim_iletisimkodu_seq" OWNED BY  
public."iletiřim".iletisimkodu;
```

```
--
```

```
-- Name: kayit; Type: TABLE; Schema: public; Owner: postgres
```

```
--
```

```
CREATE TABLE public.kayit (  
    "kisiNo" integer NOT NULL,  
    email character varying(40) NOT NULL  
);
```

```
ALTER TABLE public.kayit OWNER TO postgres;
```

```
--
```

```
-- Name: kisi; Type: TABLE; Schema: public; Owner: postgres
```

```
--
```

```
CREATE TABLE public.kisi (  
    kisino integer NOT NULL,  
    adi character varying(40) NOT NULL,  
    soyadi character varying(40) NOT NULL  
);
```

```
ALTER TABLE public.kisi OWNER TO postgres;
```

```
--
```

```
-- Name: musteri; Type: TABLE; Schema: public; Owner: postgres
```

```
--
```

```
CREATE TABLE public.musteri (  
    "kisiNo" integer NOT NULL,  
    telefonno character varying(40) NOT NULL,  
    email character varying(40) NOT NULL
```

```
);
```

```
ALTER TABLE public.musteri OWNER TO postgres;
```

```
--
```

```
-- Name: ofis; Type: TABLE; Schema: public; Owner: postgres
```

```
--
```

```
CREATE TABLE public.ofis (
```

```
    ofisnum integer NOT NULL,
```

```
    telno character varying(20) NOT NULL,
```

```
    konum character varying(40) NOT NULL,
```

```
    kisisayisi integer NOT NULL,
```

```
    "iletisimkodu" integer NOT NULL
```

```
);
```

```
ALTER TABLE public.ofis OWNER TO postgres;
```

```
--
```

```
-- Name: ofis_ofisnum_seq; Type: SEQUENCE; Schema: public; Owner: postgres
```

```
--
```

```
CREATE SEQUENCE public.ofis_ofisnum_seq
```

```
    AS integer
```

```
    START WITH 1
```

```
    INCREMENT BY 1
```

```
    NO MINVALUE
```

NO MAXVALUE

CACHE 1;

ALTER TABLE public.ofis_ofisnum_seq OWNER TO postgres;

--

-- Name: ofis_ofisnum_seq; Type: SEQUENCE OWNED BY; Schema: public; Owner: postgres

--

ALTER SEQUENCE public.ofis_ofisnum_seq OWNED BY public.ofis.ofisnum;

--

-- Name: ofisil; Type: TABLE; Schema: public; Owner: postgres

--

```
CREATE TABLE public.ofisil (  
    ofisnum integer NOT NULL,  
    ilno integer NOT NULL  
);
```

ALTER TABLE public.ofisil OWNER TO postgres;

--

-- Name: ofisil_ofisnum_seq; Type: SEQUENCE; Schema: public; Owner: postgres

--

```
CREATE SEQUENCE public.ofisil_ofisnum_seq
```

```
AS integer
```

```
START WITH 1
```

```
INCREMENT BY 1
```

```
NO MINVALUE
```

```
NO MAXVALUE
```

```
CACHE 1;
```

```
ALTER TABLE public.ofisil_ofisnum_seq OWNER TO postgres;
```

```
--
```

```
-- Name: ofisil_ofisnum_seq; Type: SEQUENCE OWNED BY; Schema: public; Owner: postgres
```

```
--
```

```
ALTER SEQUENCE public.ofisil_ofisnum_seq OWNED BY public.ofisil.ofisnum;
```

```
--
```

```
-- Name: rezervasyon; Type: TABLE; Schema: public; Owner: postgres
```

```
--
```

```
CREATE TABLE public.rezervasyon (
```

```
rezervasyonno integer NOT NULL,
```

```
"alisyeri" character varying(20) NOT NULL,
```

```
musterino integer NOT NULL,
```

```
aracno integer NOT NULL,
```

```
tarih date NOT NULL
```

```
);
```



```
ALTER TABLE public.rezervasyon OWNER TO postgres;
```

```
--
```

```
-- Name: rezervasyon_rezervasyonno_seq; Type: SEQUENCE; Schema: public; Owner:  
postgres
```

```
--
```

```
CREATE SEQUENCE public.rezervasyon_rezervasyonno_seq
```

```
AS integer
```

```
START WITH 1
```

```
INCREMENT BY 1
```

```
NO MINVALUE
```

```
NO MAXVALUE
```

```
CACHE 1;
```

```
ALTER TABLE public.rezervasyon_rezervasyonno_seq OWNER TO postgres;
```

```
--
```

```
-- Name: rezervasyon_rezervasyonno_seq; Type: SEQUENCE OWNED BY; Schema: public;  
Owner: postgres
```

```
--
```

```
ALTER SEQUENCE public.rezervasyon_rezervasyonno_seq OWNED BY  
public.rezervasyon.rezervasyonno;
```

```
--
```

```
-- Name: satistemsilcisi; Type: TABLE; Schema: public; Owner: postgres
```

```
--
```

```
CREATE TABLE public.satistemsilcisi (  
    "kisiNo" integer NOT NULL  
);
```

```
ALTER TABLE public.satistemsilcisi OWNER TO postgres;
```

```
--
```

```
-- Name: sikayet; Type: TABLE; Schema: public; Owner: postgres
```

```
--
```

```
CREATE TABLE public.sikayet (  
    sikayetkodu integer NOT NULL,  
    ad character varying(40) NOT NULL,  
    soyadi character varying(40) NOT NULL,  
    email character varying(40) NOT NULL,  
    sikayetkonusu character varying(40) NOT NULL,  
    "kisiNo" integer NOT NULL  
);
```

```
ALTER TABLE public.sikayet OWNER TO postgres;
```

```
--
```

```
-- Name: sikayet_kisiNo_seq; Type: SEQUENCE; Schema: public; Owner: postgres
```

```
--
```

```
CREATE SEQUENCE public."sikayet_kisiNo_seq"
```

```
AS integer
```

```
START WITH 1
```

```
INCREMENT BY 1
```

```
NO MINVALUE
```

```
NO MAXVALUE
```

```
CACHE 1;
```

```
ALTER TABLE public."sikayet_kisiNo_seq" OWNER TO postgres;
```

```
--
```

```
-- Name: sikayet_kisiNo_seq; Type: SEQUENCE OWNED BY; Schema: public; Owner: postgres
```

```
--
```

```
ALTER SEQUENCE public."sikayet_kisiNo_seq" OWNED BY public.sikayet."kisiNo";
```

```
--
```

```
-- Name: sikayet_sikayetkodu_seq; Type: SEQUENCE; Schema: public; Owner: postgres
```

```
--
```

```
CREATE SEQUENCE public.sikayet_sikayetkodu_seq
```

```
AS integer
```

```
START WITH 1
```

```
INCREMENT BY 1
```

```
NO MINVALUE
```

```
NO MAXVALUE
```

CACHE 1;

ALTER TABLE public.sikayet_sikayetkodu_seq OWNER TO postgres;

--

-- Name: sikayet_sikayetkodu_seq; Type: SEQUENCE OWNED BY; Schema: public; Owner: postgres

--

ALTER SEQUENCE public.sikayet_sikayetkodu_seq OWNED BY public.sikayet.sikayetkodu;

--

-- Name: temizliksirketi; Type: TABLE; Schema: public; Owner: postgres

--

```
CREATE TABLE public.temizliksirketi (  
    temizliksirketino integer NOT NULL,  
    aracsayisi integer NOT NULL,  
    temizlikurun character varying(40) NOT NULL,  
    aracno integer NOT NULL  
);
```

ALTER TABLE public.temizliksirketi OWNER TO postgres;

--

-- Name: temizliksirketi_temizliksirketino_seq; Type: SEQUENCE; Schema: public; Owner: postgres

--

CREATE SEQUENCE public.temizliksirketi_temizliksirketino_seq

AS integer

START WITH 1

INCREMENT BY 1

NO MINVALUE

NO MAXVALUE

CACHE 1;

ALTER TABLE public.temizliksirketi_temizliksirketino_seq OWNER TO postgres;

--

-- Name: temizliksirketi_temizliksirketino_seq; Type: SEQUENCE OWNED BY; Schema: public;
Owner: postgres

--

ALTER SEQUENCE public.temizliksirketi_temizliksirketino_seq OWNED BY
public.temizliksirketi.temizliksirketino;

--

-- Name: arac aracno; Type: DEFAULT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.arac ALTER COLUMN aracno SET DEFAULT
nextval('public.arac_aracno_seq'::regclass);

--

-- Name: arac musterino; Type: DEFAULT; Schema: public; Owner: postgres

--

```
ALTER TABLE ONLY public.arac ALTER COLUMN musterino SET DEFAULT  
nextval('public.arac_musterino_seq'::regclass);
```

--

-- Name: arac fiyatId; Type: DEFAULT; Schema: public; Owner: postgres

--

```
ALTER TABLE ONLY public.arac ALTER COLUMN "fiyatId" SET DEFAULT  
nextval('public."arac_fiyatId_seq"'::regclass);
```

--

-- Name: arac temsilcino; Type: DEFAULT; Schema: public; Owner: postgres

--

```
ALTER TABLE ONLY public.arac ALTER COLUMN temsilcino SET DEFAULT  
nextval('public.arac_temsilcino_seq'::regclass);
```

--

-- Name: fiyat fiyatId; Type: DEFAULT; Schema: public; Owner: postgres

--

```
ALTER TABLE ONLY public.fiyat ALTER COLUMN fiyatId SET DEFAULT  
nextval('public."fiyat_fiyatId_seq"'::regclass);
```

--

-- Name: hakimda sayfano; Type: DEFAULT; Schema: public; Owner: postgres

--

```
ALTER TABLE ONLY public.hakimda ALTER COLUMN sayfano SET DEFAULT  
nextval('public.hakimda_sayfano_seq'::regclass);
```

--

-- Name: il ilno; Type: DEFAULT; Schema: public; Owner: postgres

--

```
ALTER TABLE ONLY public.il ALTER COLUMN ilno SET DEFAULT  
nextval('public.il_ilno_seq'::regclass);
```

--

-- Name: ilce ilceno; Type: DEFAULT; Schema: public; Owner: postgres

--

```
ALTER TABLE ONLY public.ilce ALTER COLUMN ilceno SET DEFAULT  
nextval('public.ilce_ilceno_seq'::regclass);
```

--

-- Name: iletişim iletisimkodu; Type: DEFAULT; Schema: public; Owner: postgres

--

```
ALTER TABLE ONLY public."iletiřim" ALTER COLUMN iletisimkodu SET DEFAULT  
nextval('public."iletiřim_iletisimkodu_seq"::regclass);
```

--

-- Name: ofis ofisnum; Type: DEFAULT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.ofis ALTER COLUMN ofisnum SET DEFAULT
nextval('public.ofis_ofisnum_seq'::regclass);

--

-- Name: ofisil ofisnum; Type: DEFAULT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.ofisil ALTER COLUMN ofisnum SET DEFAULT
nextval('public.ofisil_ofisnum_seq'::regclass);

--

-- Name: rezervasyon rezervasyonno; Type: DEFAULT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.rezervasyon ALTER COLUMN rezervasyonno SET DEFAULT
nextval('public.rezervasyon_rezervasyonno_seq'::regclass);

--

-- Name: sikayet sikayetkodu; Type: DEFAULT; Schema: public; Owner: postgres

--


```
ALTER TABLE ONLY public.sikayet ALTER COLUMN sikayetkodu SET DEFAULT  
nextval('public.sikayet_sikayetkodu_seq'::regclass);
```

```
--
```

```
-- Name: sikayet kisiNo; Type: DEFAULT; Schema: public; Owner: postgres
```

```
--
```

```
ALTER TABLE ONLY public.sikayet ALTER COLUMN "kisiNo" SET DEFAULT  
nextval('public."sikayet_kisiNo_seq"'::regclass);
```

```
--
```

```
-- Name: temizliksirketi temizliksirketino; Type: DEFAULT; Schema: public; Owner: postgres
```

```
--
```

```
ALTER TABLE ONLY public.temizliksirketi ALTER COLUMN temizliksirketino SET DEFAULT  
nextval('public.temizliksirketi_temizliksirketino_seq'::regclass);
```

```
--
```

```
-- Data for Name: arac; Type: TABLE DATA; Schema: public; Owner: postgres
```

```
--
```

```
INSERT INTO public.arac VALUES
```

```
    (2, 'Opel', 'beyaz', '5', 'lpg', 1, 3, 1000),  
    (1, 'BMW', 'siyah', '5', 'benzin', 1, 1, 1000),  
    (3, 'reno', 'mavi', '5', 'lpg', 2, 2, 1001),  
    (4, 'mercedes', 'kırmızı', '2', 'benzin', 3, 2, 1003),  
    (5, 'mercedes', 'mavi', '5', 'benzin', 4, 1, 1002);
```

--

-- Data for Name: fiyat; Type: TABLE DATA; Schema: public; Owner: postgres

--

INSERT INTO public.fiyat VALUES

(2, 'dolar', 500),

(3, 'tl', 500),

(1, 'tl', 1000);

--

-- Data for Name: hakimda; Type: TABLE DATA; Schema: public; Owner: postgres

--

INSERT INTO public.hakimda VALUES

(1, 5, 5, '1');

--

-- Data for Name: il; Type: TABLE DATA; Schema: public; Owner: postgres

--

INSERT INTO public.il VALUES

(54, 'sakarya'),

(34, 'istanbul');

--

-- Data for Name: ilce; Type: TABLE DATA; Schema: public; Owner: postgres

--

--

-- Data for Name: iletişim; Type: TABLE DATA; Schema: public; Owner: postgres

--

--

-- Data for Name: kayıt; Type: TABLE DATA; Schema: public; Owner: postgres

--

INSERT INTO public.kayit VALUES

(1, 'ozge@gmail.com'),

(2, 'esra@gmail.com');

--

-- Data for Name: kisi; Type: TABLE DATA; Schema: public; Owner: postgres

--

INSERT INTO public.kisi VALUES

(1000, 'Beyza', 'Çelebi'),

(1001, 'Berkay', 'Çelebi'),

(1002, 'Furkan', 'Mert'),

(1003, 'Buse', 'Mert'),
(1, 'ozge', 'yıldız'),
(2, 'esra', 'yurt'),
(1004, 'Gürkan', 'Kurt'),
(3, 'hülya', 'Bal'),
(4, 'Samet', 'Türk'),
(5, 'Begüm', 'Başar'),
(6, 'Ayhan', 'Türk'),
(7, 'Zeynep', 'Düzeltici'),
(8, 'Zeynep', 'Baran'),
(9, 'Özlem', 'Er'),
(10, 'ömer', 'Berat');

--

-- Data for Name: muster; Type: TABLE DATA; Schema: public; Owner: postgres

--

INSERT INTO public.muster VALUES

(1, '05366665454', 'ozge@gmail.com'),
(2, '05321453265', 'esra@gmail.com'),
(3, '05647453214', 'hulya@gmail.com'),
(4, '05379856241', 'samet@gmail.com'),
(5, '05697554782', 'begum@hotmail.com'),
(6, '05321459325', 'turkayhan@gmail.com'),
(7, '05984132564', 'zynpdzlt@gmail.com'),
(8, '05347551455', 'zeynepbaran@gmail.com'),
(9, '05484645688', 'özlem@gmail.com'),
(10, '05321485960', 'omerberat@gmail.com');

--

-- Data for Name: ofis; Type: TABLE DATA; Schema: public; Owner: postgres

--

--

-- Data for Name: ofisil; Type: TABLE DATA; Schema: public; Owner: postgres

--

--

-- Data for Name: rezervasyon; Type: TABLE DATA; Schema: public; Owner: postgres

--

INSERT INTO public.rezervasyon VALUES

(1, 'izmir', 1, 1, '2021-01-04'),

(2, 'izmir', 2, 2, '2021-01-05'),

(3, 'sakarya', 1, 2, '2021-01-13'),

(4, 'ankara', 1, 1, '2021-01-04'),

(5, 'konya', 1, 2, '2021-04-05');

--

-- Data for Name: satistemsilcisi; Type: TABLE DATA; Schema: public; Owner: postgres

--

```
INSERT INTO public.satistemsilcisi VALUES
```

```
(1000),
```

```
(1001),
```

```
(1002),
```

```
(1003),
```

```
(1004);
```

```
--
```

```
-- Data for Name: sikayet; Type: TABLE DATA; Schema: public; Owner: postgres
```

```
--
```

```
INSERT INTO public.sikayet VALUES
```

```
(1111, 'ozge', 'yıldız', 'ozge@gmail.com', 'aractemizliği', 1),
```

```
(1112, 'esra', 'yurt', 'esra@gmail.com', 'aracbakımı', 2);
```

```
--
```

```
-- Data for Name: temizliksirketi; Type: TABLE DATA; Schema: public; Owner: postgres
```

```
--
```

```
INSERT INTO public.temizliksirketi VALUES
```

```
(1, 2, 'deterjan', 1),
```

```
(2, 2, 'deterjan', 2);
```

```
--
```

```
-- Name: arac_aracno_seq; Type: SEQUENCE SET; Schema: public; Owner: postgres
```

--

```
SELECT pg_catalog.setval('public.arac_aracno_seq', 1, false);
```

--

-- Name: arac_fiyatId_seq; Type: SEQUENCE SET; Schema: public; Owner: postgres

--

```
SELECT pg_catalog.setval('public."arac_fiyatId_seq"', 3, true);
```

--

-- Name: arac_musterino_seq; Type: SEQUENCE SET; Schema: public; Owner: postgres

--

```
SELECT pg_catalog.setval('public.arac_musterino_seq', 3, true);
```

--

-- Name: arac_temsilcino_seq; Type: SEQUENCE SET; Schema: public; Owner: postgres

--

```
SELECT pg_catalog.setval('public.arac_temsilcino_seq', 3, true);
```

--

-- Name: fiyat_fiyatId_seq; Type: SEQUENCE SET; Schema: public; Owner: postgres

--

```
SELECT pg_catalog.setval('public."fiyat_fiyatId_seq"', 1, false);
```

```
--
```

```
-- Name: hakimda_sayfano_seq; Type: SEQUENCE SET; Schema: public; Owner: postgres
```

```
--
```

```
SELECT pg_catalog.setval('public.hakimda_sayfano_seq', 2, true);
```

```
--
```

```
-- Name: il_ilno_seq; Type: SEQUENCE SET; Schema: public; Owner: postgres
```

```
--
```

```
SELECT pg_catalog.setval('public.il_ilno_seq', 1, false);
```

```
--
```

```
-- Name: ilce_ilceno_seq; Type: SEQUENCE SET; Schema: public; Owner: postgres
```

```
--
```

```
SELECT pg_catalog.setval('public.ilce_ilceno_seq', 1, false);
```

```
--
```

```
-- Name: iletisim_iletisimkodu_seq; Type: SEQUENCE SET; Schema: public; Owner: postgres
```

```
--
```



```
SELECT pg_catalog.setval('public."iletiřim_iletisimkodu_seq"', 1, false);
```

```
--
```

```
-- Name: ofis_ofisnum_seq; Type: SEQUENCE SET; Schema: public; Owner: postgres
```

```
--
```

```
SELECT pg_catalog.setval('public.ofis_ofisnum_seq', 1, false);
```

```
--
```

```
-- Name: ofisil_ofisnum_seq; Type: SEQUENCE SET; Schema: public; Owner: postgres
```

```
--
```

```
SELECT pg_catalog.setval('public.ofisil_ofisnum_seq', 1, false);
```

```
--
```

```
-- Name: rezervasyon_rezervasyonno_seq; Type: SEQUENCE SET; Schema: public; Owner: postgres
```

```
--
```

```
SELECT pg_catalog.setval('public.rezervasyon_rezervasyonno_seq', 5, true);
```

```
--
```

```
-- Name: sikayet_kisiNo_seq; Type: SEQUENCE SET; Schema: public; Owner: postgres
```

```
--
```

```
SELECT pg_catalog.setval('public."sikayet_kisiNo_seq"', 1, false);
```

```
--  
-- Name: sikayet_sikayetkodu_seq; Type: SEQUENCE SET; Schema: public; Owner: postgres  
--
```

```
SELECT pg_catalog.setval('public.sikayet_sikayetkodu_seq', 1, false);
```

```
--  
-- Name: temizliksirketi_temizliksirketino_seq; Type: SEQUENCE SET; Schema: public; Owner: postgres  
--
```

```
SELECT pg_catalog.setval('public.temizliksirketi_temizliksirketino_seq', 1, false);
```

```
--  
-- Name: arac aracPK; Type: CONSTRAINT; Schema: public; Owner: postgres  
--
```

```
ALTER TABLE ONLY public.arac  
    ADD CONSTRAINT "aracPK" PRIMARY KEY (aracno);
```

```
--  
-- Name: fiyat fiyatPK; Type: CONSTRAINT; Schema: public; Owner: postgres  
--
```

```
ALTER TABLE ONLY public.fiyat
```

```
ADD CONSTRAINT "fiyatPK" PRIMARY KEY (fiyatid);
```

```
--
```

```
-- Name: hakimda hakimdaPK; Type: CONSTRAINT; Schema: public; Owner: postgres
```

```
--
```

```
ALTER TABLE ONLY public.hakimda
```

```
ADD CONSTRAINT "hakimdaPK" PRIMARY KEY (sayfano);
```

```
--
```

```
-- Name: il ilPK; Type: CONSTRAINT; Schema: public; Owner: postgres
```

```
--
```

```
ALTER TABLE ONLY public.il
```

```
ADD CONSTRAINT "ilPK" PRIMARY KEY (ilno);
```

```
--
```

```
-- Name: ilce ilcePK; Type: CONSTRAINT; Schema: public; Owner: postgres
```

```
--
```

```
ALTER TABLE ONLY public.ilce
```

```
ADD CONSTRAINT "ilcePK" PRIMARY KEY (ilceno);
```

```
--
```

```
-- Name: iletisim iletisimPK; Type: CONSTRAINT; Schema: public; Owner: postgres
```

--

ALTER TABLE ONLY public."iletiřim"

ADD CONSTRAINT "iletisimPK" PRIMARY KEY (iletisimkod);

--

-- Name: kayit kayit_pkey; Type: CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.kayit

ADD CONSTRAINT kayit_pkey PRIMARY KEY ("kisiNo");

--

-- Name: kisi kisi_pkey; Type: CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.kisi

ADD CONSTRAINT kisi_pkey PRIMARY KEY (kisiNo);

--

-- Name: musteri musteri_pkey; Type: CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.musteri

ADD CONSTRAINT musteri_pkey PRIMARY KEY ("kisiNo");

--

-- Name: ofis ofisPK; Type: CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.ofis

ADD CONSTRAINT "ofisPK" PRIMARY KEY (ofisnum);

--

-- Name: ofisil ofisUnique; Type: CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.ofisil

ADD CONSTRAINT "ofisUnique" UNIQUE (ofisnum);

--

-- Name: ofisil ofisilPK; Type: CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.ofisil

ADD CONSTRAINT "ofisilPK" PRIMARY KEY (ofisnum, ilno);

--

-- Name: rezervasyon rezervasyonPK; Type: CONSTRAINT; Schema: public; Owner: postgres

--

```
ALTER TABLE ONLY public.rezervasyon
```

```
ADD CONSTRAINT "rezervasyonPK" PRIMARY KEY (rezervasyonno);
```

```
--
```

```
-- Name: satistemsilcisi satistemsilcisi_pkey; Type: CONSTRAINT; Schema: public; Owner:  
postgres
```

```
--
```

```
ALTER TABLE ONLY public.satistemsilcisi
```

```
ADD CONSTRAINT satistemsilcisi_pkey PRIMARY KEY ("kisiNo");
```

```
--
```

```
-- Name: sikayet sikayetPK; Type: CONSTRAINT; Schema: public; Owner: postgres
```

```
--
```

```
ALTER TABLE ONLY public.sikayet
```

```
ADD CONSTRAINT "sikayetPK" PRIMARY KEY (sikayetkodu);
```

```
--
```

```
-- Name: temizliksirketi temizliksirketiPK; Type: CONSTRAINT; Schema: public; Owner:  
postgres
```

```
--
```

```
ALTER TABLE ONLY public.temizliksirketi
```

```
ADD CONSTRAINT "temizliksirketiPK" PRIMARY KEY (temizliksirketino);
```

--

-- Name: arac aracsys; Type: TRIGGER; Schema: public; Owner: postgres

--

CREATE TRIGGER aracsys AFTER INSERT ON public.arac FOR EACH ROW EXECUTE FUNCTION
public.arac();

--

-- Name: fiyat fiyatguncelle; Type: TRIGGER; Schema: public; Owner: postgres

--

CREATE TRIGGER fiyatguncelle AFTER INSERT ON public.fiyat FOR EACH ROW EXECUTE
FUNCTION public.fiyatguncelleme();

--

-- Name: il ıllartır; Type: TRIGGER; Schema: public; Owner: postgres

--

CREATE TRIGGER "ıllartır" AFTER INSERT ON public.il FOR EACH ROW EXECUTE FUNCTION
public.ilekle();

--

-- Name: satistemsilcisi personelsys; Type: TRIGGER; Schema: public; Owner: postgres

--

CREATE TRIGGER personelsys AFTER INSERT ON public.satistemsilcisi FOR EACH ROW
EXECUTE FUNCTION public.personel();

--

-- Name: rezervasyon aracrezervasyon; Type: FK CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.rezervasyon

ADD CONSTRAINT aracrezervasyon FOREIGN KEY (aracno) REFERENCES public.arac(aracno)
MATCH FULL ON UPDATE CASCADE ON DELETE CASCADE;

--

-- Name: temizliksirketi aractemizlikFK; Type: FK CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.temizliksirketi

ADD CONSTRAINT "aractemizlikFK" FOREIGN KEY (aracno) REFERENCES public.arac(aracno)
MATCH FULL ON UPDATE CASCADE ON DELETE CASCADE;

--

-- Name: arac fiyataracFK; Type: FK CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.arac

ADD CONSTRAINT "fiyataracFK" FOREIGN KEY ("fiyatId") REFERENCES public.fiyat(fiyatId)
MATCH FULL ON UPDATE CASCADE ON DELETE CASCADE;

--

-- Name: ofisil ilFK; Type: FK CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.ofisil

ADD CONSTRAINT "ilFK" FOREIGN KEY (ilno) REFERENCES public.il(ilno) MATCH FULL ON
UPDATE CASCADE ON DELETE CASCADE;

--

-- Name: iletişim ilceiletisim; Type: FK CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public."iletiřim"

ADD CONSTRAINT ilceiletisim FOREIGN KEY (ilceno) REFERENCES public.ilce(ilceno) MATCH
FULL ON UPDATE CASCADE ON DELETE CASCADE;

--

-- Name: ofis iletisimofisFK; Type: FK CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.ofis

ADD CONSTRAINT "iletisimofisFK" FOREIGN KEY ("iletiřimkodu") REFERENCES
public."iletiřim"(iletisimkodu) MATCH FULL ON UPDATE CASCADE ON DELETE CASCADE;

--

-- Name: ilce ililceFK; Type: FK CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.ilce

ADD CONSTRAINT "ililceFK" FOREIGN KEY (ilno) REFERENCES public.il(ilno) MATCH FULL
ON UPDATE CASCADE ON DELETE CASCADE;

--

-- Name: kayit kayitPersonel; Type: FK CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.kayit

ADD CONSTRAINT "kayitPersonel" FOREIGN KEY ("kisiNo") REFERENCES public.kisi(kisino)
ON UPDATE CASCADE ON DELETE CASCADE;

--

-- Name: sikayet kayitsikayetFK; Type: FK CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.sikayet

ADD CONSTRAINT "kayitsikayetFK" FOREIGN KEY ("kisiNo") REFERENCES
public.kayit("kisiNo") MATCH FULL ON UPDATE CASCADE ON DELETE CASCADE;

--

-- Name: satistemsilcisi kisi; Type: FK CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.satistemsilcisi

ADD CONSTRAINT kisi FOREIGN KEY ("kisiNo") REFERENCES public.kisi(kisino) ON UPDATE
CASCADE ON DELETE CASCADE;

--

-- Name: arac musteriarac; Type: FK CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.arac

ADD CONSTRAINT musteriarac FOREIGN KEY (musterino) REFERENCES
public.musteri("kisiNo") MATCH FULL ON UPDATE CASCADE ON DELETE CASCADE;

--

-- Name: musteri musterikisi; Type: FK CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.musteri

ADD CONSTRAINT musterikisi FOREIGN KEY ("kisiNo") REFERENCES public.kisi(kisino) ON
UPDATE CASCADE ON DELETE CASCADE;

--

-- Name: rezervasyon musterirezervasyonFK; Type: FK CONSTRAINT; Schema: public; Owner:
postgres

--

ALTER TABLE ONLY public.rezervasyon

ADD CONSTRAINT "musterirezervasyonFK" FOREIGN KEY (musterino) REFERENCES
public.musteri("kisiNo") MATCH FULL ON UPDATE CASCADE ON DELETE CASCADE;

--

-- Name: ofisil ofisilFK; Type: FK CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.ofisil

ADD CONSTRAINT "ofisilFK" FOREIGN KEY (ofisnum) REFERENCES public.ofis(ofisnum)
MATCH FULL ON UPDATE CASCADE ON DELETE CASCADE;

--

-- Name: ilce ofisilceFK; Type: FK CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.ilce

ADD CONSTRAINT "ofisilceFK" FOREIGN KEY (ilceno) REFERENCES public.ofis(ofisnum)
MATCH FULL ON UPDATE CASCADE ON DELETE CASCADE;

--

-- Name: arac satisaracFK; Type: FK CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.arac

ADD CONSTRAINT "sataracFK" FOREIGN KEY (temsilcino) REFERENCES
public.satistemsilcisi("kisiNo") MATCH FULL ON UPDATE CASCADE ON DELETE CASCADE;

--

-- PostgreSQL database dump complete

--

SAKLI YORDAM

```
CREATE OR REPLACE FUNCTION public.aracara(num integer)
  RETURNS TABLE(numara integer, colour character varying, models character varying,
  peoplenmber character varying)
  LANGUAGE plpgsql
  AS $function$
  BEGIN
    RETURN QUERY SELECT "aracno", "renk", "model", "kisisayisi" FROM arac
      WHERE "aracno" = num;
  END;
$function$
```

```
CREATE OR REPLACE FUNCTION public.dolarhesap(dolar real)
  RETURNS real
  LANGUAGE plpgsql
  AS $function$
  BEGIN
    RETURN 7.41 * dolar ;
  END;
$function$
```

```
CREATE OR REPLACE FUNCTION public.kisiara(num integer)
  RETURNS TABLE(numara integer, isim character varying, soyisim character varying)
  LANGUAGE plpgsql
  AS $function$
BEGIN
    RETURN QUERY SELECT "kisino", "adi", "soyadi" FROM kisi
        WHERE "kisino" = num;
END;
$function$
```

```
CREATE OR REPLACE FUNCTION public.rezervasyontarihi(tarihh date)
  RETURNS TABLE(yeri character varying, musterinum integer, trh date)
  LANGUAGE plpgsql
  AS $function$
BEGIN
    RETURN QUERY SELECT "alisyeri", "musterino", "tarih" FROM rezervasyon
        WHERE "tarih" = tarihh;
END;
$function$
```

TETİKLEYİCİ

```
CREATE TRIGGER aracsys  
AFTER INSERT ON public.arac  
FOR EACH ROW  
EXECUTE FUNCTION arac()
```

```
CREATE TRIGGER fiyatguncelle  
AFTER INSERT ON public.fiyat  
FOR EACH ROW  
EXECUTE FUNCTION fiyatguncelleme()
```

```
CREATE TRIGGER "ilartır"  
AFTER INSERT ON public.il  
FOR EACH ROW  
EXECUTE FUNCTION ilekle()
```

```
CREATE TRIGGER personelsys  
AFTER INSERT ON public.satistemsilcisi  
FOR EACH ROW  
EXECUTE FUNCTION personel()
```

EKRAN GÖRÜNTÜLERİ

ARAMA

Database: **aracilaralame** - Schema: **public** - Table: **rezervasyon-araç**

rezervasyonno	alayeti	musterino	aracno	tarih
1	1 izmir	1	1	1 2021-01-04
2	2 izmir	2	2	2 2021-01-05
3	3 sakarya	3	3	3 2021-01-13
4	4 ankara	4	4	4 2021-01-04
5	5 konya	5	5	5 2021-04-05

Related Table: **araç : aracrezervasyon (M:1)** - Mode: show linked - Set: OR (union) - Auto

REZERVASYON OLUŞTURMA

REZERVASYON NUMARASI:

MÜŞTERİ NUMARASI:

ARAÇ NUMARASI:

ARAÇIN ALIŞ YERİ:

ARAÇIN ALIŞ TARİHİ: 29 Aralık 2020 Sal

Ekle Sil Ara Güncelle

rezervasyonno	alayeti	musterino	aracno	tarih
1	izmir	1	1	4.01.2021
2	izmir	2	2	5.01.2021

Database: **aracilaralame** - Schema: **public** - Table: **kisi-kayıt**

kisiidno	adı	soyadı
1	ozgur	yılmaz
2	esra	yurt
3	hülya	bal
4	Samet	Türk
5	Begüm	Boşan
6	Ayhan	Türk
7	Zeynep	Düzeltici
8	Zeynep	Bacan
9	Özlem	Er
10	Talha	Aydın
11	1000 Beyza	Çelebi
12	1001 Berkay	Çelebi
13	1002 Furkan	Mort

Related Table: **kayıt : kayıt(Personel (1:M))** - Mode: show linked - Set: OR (union) - Auto

Formül

KAYIT NUMARASI:

AD:

SOYAD:

Ekle Sil Ara Güncelle

kisiidno	adı	soyadı
2	esra	yurt

EKLEME

Database: **aracilaralame** - Schema: **public** - Table: **rezervasyon-araç**

rezervasyonno	alayeti	musterino	aracno	tarih
1	1 izmir	1	1	1 2021-01-04
2	2 izmir	2	2	2 2021-01-05
3	3 sakarya	3	3	3 2020-12-30

Related Table: **araç : aracrezervasyon (M:1)** - Mode: show linked - Set: OR (union) - Auto

REZERVASYON OLUŞTURMA

REZERVASYON NUMARASI:

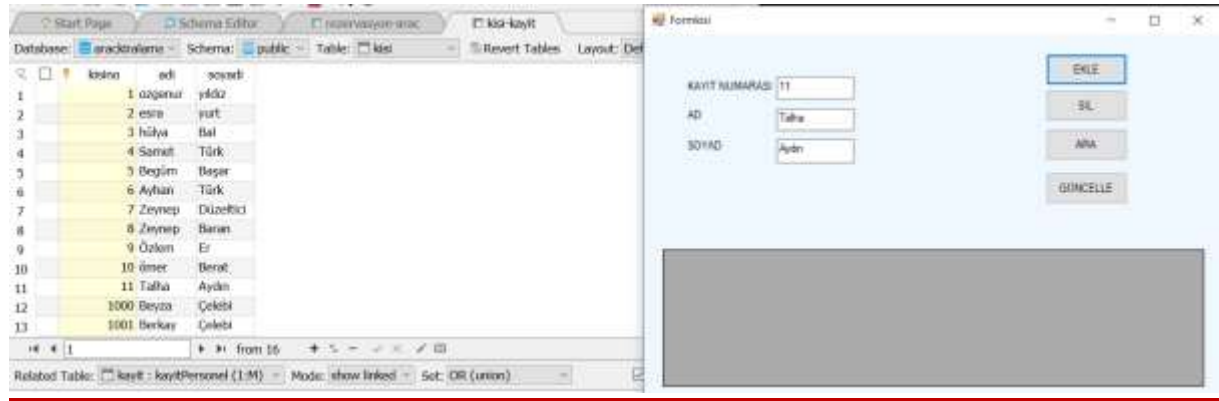
MÜŞTERİ NUMARASI:

ARAÇ NUMARASI:

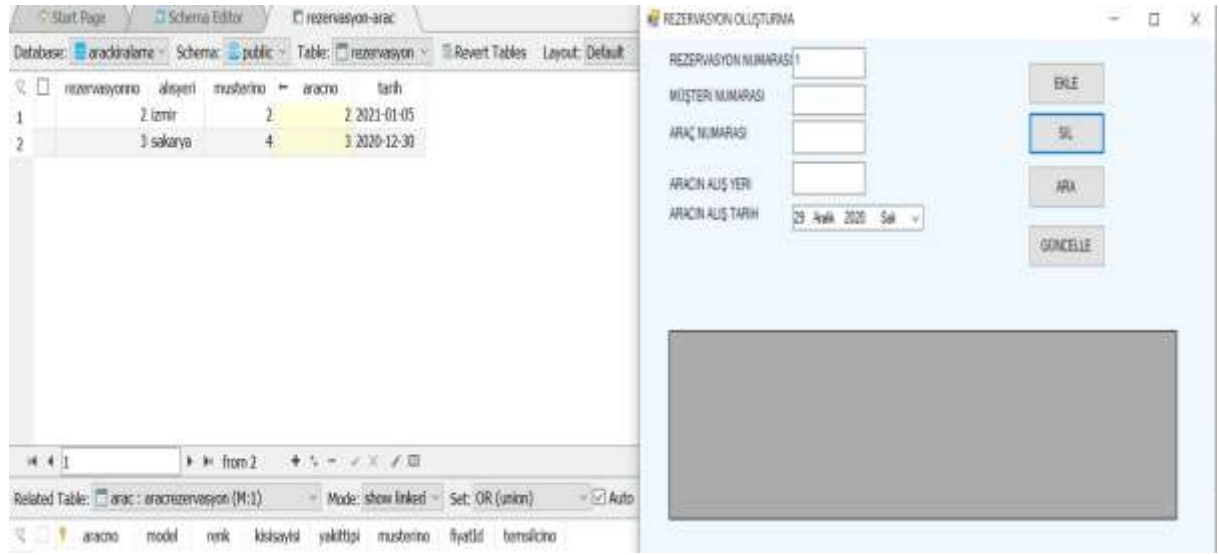
ARAÇIN ALIŞ YERİ:

ARAÇIN ALIŞ TARİHİ: 30 Aralık 2020 Çarşamba

Ekle Sil Ara Güncelle



SİLME



Start Page Schema Editor rezervasyon-arac kisi-kayit

Database: arackiralama Schema: public Table: kisi Revert Tables Layout

	ksino	adi	soyadi
1	1	ozgenur	yildiz
2	2	esra	yurt
3	3	hulya	bal
4	4	Samet	Türk
5	5	Begüm	Bağcı
6	6	Ayhan	Türk
7	7	Zeynep	Düzeltici
8	8	Zeynep	Baran
9	9	Özlem	Er
10	11	Talha	Aydın
11	1000	Beyza	Çelebi
12	1001	Berkay	Çelebi
13	1002	Furkan	Mert

Related Table: kisi : kisi(Personel) (1:M) Mode: show linked Set: OR (union)

Formlar

KAYIT NUMARASI: 12

AD:

SOYAD:

ERLE

SİL

ARA

GÜNCELLE

GÜNCELLEME

Start Page Schema Editor rezervasyon-arac

Database: arackiralama Schema: public Table: rezervasyon Revert Tables Layout: Default

	rezervasyonno	aksyeri	musterino	aracno	tarih
1	2	bursa	2	2	2020-12-29
2	3	sakarya	4	3	2020-12-30

Related Table: arac : arackirezervasyon (M:1) Mode: show linked Set: OR (union)

aracno model renk kisizisi yakittipi musterino fiyatid bensikino

REZERVASYON OLUŞTURMA

REZERVASYON NUMARASI: 2

MÜŞTERİ NUMARASI:

ARAC NUMARASI:

ARACIN ALIŞ YERİ: bursa

ARACIN ALIŞ TARİHİ: 29 Aralık 2020 Salı

ERLE

SİL

ARA

GÜNCELLE

Start Page Schema Editor rezervasyon-arac kisi-kayit

Database: arackiralama Schema: public Table: kisi Revert Tables

	ksino	adi	soyadi
1	1	ozgenur	yildiz
2	2	esra	yurt
3	3	hulya	bal
4	4	Samet	Türk
5	5	Begüm	Bağcı
6	6	Ayhan	Er
7	7	Zeynep	Düzeltici
8	8	Zeynep	Baran
9	9	Özlem	Er
10	11	Talha	Aydın
11	1000	Beyza	Çelebi
12	1001	Berkay	Çelebi
13	1002	Furkan	Mert

Related Table: kisi : kisi(Personel) (1:M) Mode: show linked Set: OR (union)

Formlar

KAYIT NUMARASI: 6

AD: Ayhan

SOYAD: Er

ERLE

SİL

ARA

GÜNCELLE

UYGULAMA KAYNAK KODLARI

```
1 using System;
2 using Npgsql;
3 using System.Collections.Generic;
4 using System.ComponentModel;
5 using System.Data;
6 using System.Drawing;
7 using System.Linq;
8 using System.Text;
9 using System.Threading.Tasks;
10 using System.Windows.Forms;
11
12 namespace veritabani
13 {
14     [assembly:
15     public partial class Form1 : Form
16     {
17         public Form1()
18         {
19             InitializeComponent();
20
21             NpgsqlConnection baglanti = new NpgsqlConnection("server=localhost; port=5432; Database=arackiralama; user=IDpostgres; password=IDpostgres");
22
23             private void button1_Click(object sender, EventArgs e)
24             {
25             }
```

```
21
22 private void button1_Click(object sender, EventArgs e)
23 {
24
25     baglanti.Open();
26     NpgsqlCommand komut1 = new NpgsqlCommand("insert into rezervasyon (rezervasyono,musterino,aracno,alisyeri,tarih) values (@p1,@p2,@p3,@p4,@p5)", baglanti);
27     komut1.Parameters.AddWithValue("@p1", int.Parse(textBox1.Text));
28     komut1.Parameters.AddWithValue("@p2", int.Parse(textBox1.Text));
29     komut1.Parameters.AddWithValue("@p3", int.Parse(textBox4.Text));
30     komut1.Parameters.AddWithValue("@p4", textBox3.Text);
31     komut1.Parameters.AddWithValue("@p5", dateTimePicker1.Value);
32     komut1.ExecuteNonQuery();
33     baglanti.Close();
34 }
35
36 private void button4_Click(object sender, EventArgs e)
37 {
38     baglanti.Open();
39     NpgsqlCommand komut3 = new NpgsqlCommand("update rezervasyon set alisyeri=@p2,tarih=@p1 where rezervasyono=@p1", baglanti);
40     komut3.Parameters.AddWithValue("@p1", textBox3.Text);
41     komut3.Parameters.AddWithValue("@p2", dateTimePicker1.Value);
42     komut3.Parameters.AddWithValue("@p3", int.Parse(textBox6.Text));
43     komut3.ExecuteNonQuery();
44     baglanti.Close();
45 }
```

```
43     baglanti.Close();
44
45
46 private void button2_Click(object sender, EventArgs e)
47 {
48     baglanti.Open();
49     NpgsqlCommand komut2 = new NpgsqlCommand("Delete From rezervasyon where rezervasyono=@p1", baglanti);
50     komut2.Parameters.AddWithValue("@p1", int.Parse(textBox6.Text));
51     komut2.ExecuteNonQuery();
52     baglanti.Close();
53
54
55
56 private void button3_Click(object sender, EventArgs e)
57 {
58
59     baglanti.Open();
60     string sorgu = "select *from rezervasyon where alisyeri like 'E' + textBox3.Text + 'E'";
61     NpgsqlDataAdapter da = new NpgsqlDataAdapter(sorgu, baglanti);
62     DataSet ds = new DataSet();
63     da.Fill(ds);
64     dataGridView1.DataSource = ds.Tables[0];
65 }
```

Uygulama kaynak kodu içeren github linki:

<https://github.com/beyzacelebii/veritaban-y-netimsistemleri>

VIDEO LİNKİ:

<https://youtu.be/FruxBFVjPJQ>