Hazırlayanlar;

VERİTABANI YÖNETİM SİSTEMLERİ PROJESİ Mahmud Emre Başpehlivan

KONU: Kütüphane Yönetimi G211210020

[Emre.baspehlivan@ogr.sakarya.edu.tr](mailto:Emre.baspehlivan@ogr.sakarya.edu.tr)

Samet Güzel G201210086

[Samet.guzel@ogr.sakarya.edu.tr](mailto:Samet.guzel@ogr.sakarya.edu.tr)

# **Uygulamanın Yapılışı:**

Bir müşterinin kişisel bir kütüphanesi vardır. Bizden kitap bilgilerinin, üye bilgilerinin, personel bilgilerinin, iletişim bilgilerinin saklandığı bir veri tabanı uygulaması isteniyor ve bu uygulama ile üye, kitap ödünç alabilecek ve üyenin hangi kitabı aldığı veri tabanında tutulacak.

# **İş Kuralları:**

* Bir kişinin birden çok iletişim bilgisi olabilir.
* Bir ilde birden çok iletişim adresinde bulunur.
* Bir il çok sayıda ilçeden oluşur.
* Bir kişinin en az en çok bir medeni durumu olur.
* Bir medeni durum çok sayıda kişi tarafından kullanılabilir,
* Bir personelin en az en çok bir görevi vardır.
* Bir üye birden çok ödünç kitap alabilir.
* Bir yayınevi birden ¢ok kitaba sahiptir.
* Bir kitap çok sayıda yazara ait olabilir.
* Bir yazar çok sayıda kitap yazabilir.
* Bir kitabin çok sayıda türü olabilir.
* Bir tür çok sayıda kitaba ait olabilir.

# **SQL Kodları:**

--

-- PostgreSQL database dump

--

-- Dumped from database version 14.1

-- Dumped by pg\_dump version 14.0

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: SilinenKitapArsiv(); Type: FUNCTION; Schema: public; Owner: postgres

--

CREATE FUNCTION public."SilinenKitapArsiv"() RETURNS trigger

LANGUAGE plpgsql

AS $$

BEGIN

INSERT INTO "silinenKitaplar"("kitapNo", "kitapAdi", "basimYili", "stok","yayinEvi","ISBN","sayfaSayisi")

VALUES(OLD."kitapNo", OLD."kitapAdi", OLD."basimYili",OLD."stok",OLD."yayinEvi",OLD."ISBN",OLD."sayfaSayisi" );

RETURN NEW;

END;

$$;

ALTER FUNCTION public."SilinenKitapArsiv"() OWNER TO postgres;

--

-- Name: kisiEkleTR1(); Type: FUNCTION; Schema: public; Owner: postgres

--

CREATE FUNCTION public."kisiEkleTR1"() RETURNS trigger

LANGUAGE plpgsql

AS $$

BEGIN

NEW."ad" = UPPER(NEW."ad");

NEW."soyad" = UPPER(NEW."soyad");

NEW."ad" = LTRIM(NEW."ad");

NEW."soyad" = LTRIM(NEW."soyad");

IF NEW."ad" IS NULL THEN

RAISE EXCEPTION 'ad ve soyad alanı boş olamaz';

END IF;

RETURN NEW;

END;

$$;

ALTER FUNCTION public."kisiEkleTR1"() OWNER TO postgres;

--

-- Name: kitapEkleTR1(); Type: FUNCTION; Schema: public; Owner: postgres

--

CREATE FUNCTION public."kitapEkleTR1"() RETURNS trigger

LANGUAGE plpgsql

AS $$

BEGIN

NEW."kitapAdi" = UPPER(NEW."kitapAdi");

NEW."kitapAdi" = LTRIM(NEW."kitapAdi");

IF NEW."kitapAdi" IS NULL THEN

RAISE EXCEPTION 'kitapAdi alanı boş olamaz';

END IF;

RETURN NEW;

END;

$$;

ALTER FUNCTION public."kitapEkleTR1"() OWNER TO postgres;

--

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

--

CREATE FUNCTION public."kitapKayitGetir"(deger integer) RETURNS TABLE(kitapad character varying, basimyili date, stok integer, yazarad character varying, turad character varying, yayinevi integer)

LANGUAGE plpgsql

AS $$

begin

return QUERY SELECT "public"."tbkitap"."kitapAdi",

"public"."tbkitap"."basimYili",

"public"."tbkitap"."stok",

"public"."tbyazar"."yazarAd",

"public"."tbtur"."turAd",

"public"."tbkitap"."yayinEvi"

FROM "public"."tbkitap"

INNER JOIN "public"."kitap\_yazar" ON "public"."tbkitap"."kitapNo" = "public"."kitap\_yazar"."kitap"

INNER JOIN "public"."tbyazar" ON "public"."tbyazar"."yazarNo" = "public"."kitap\_yazar"."yazar"

INNER JOIN "public"."kitap\_tur" ON "public"."tbkitap"."kitapNo" = "public"."kitap\_tur"."kitap"

INNER JOIN "public"."tbtur" ON "public"."tbtur"."turNo" = "public"."kitap\_tur"."tur" WHERE "tbkitap"."kitapNo" = deger;

end;

$$;

ALTER FUNCTION public."kitapKayitGetir"(deger integer) OWNER TO postgres;

--

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

--

CREATE FUNCTION public."kitapStok"() RETURNS trigger

LANGUAGE plpgsql

AS $$

BEGIN

UPDATE "tbkitap" SET "stok" = "stok" - 1

WHERE "kitapNo" = NEW.kitap;

RETURN NEW;

END;

$$;

ALTER FUNCTION public."kitapStok"() OWNER TO postgres;

--

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

--

CREATE FUNCTION public."maasDegisikligiIzle"() RETURNS trigger

LANGUAGE plpgsql

AS $$

BEGIN

IF NEW."maas" <> OLD."maas" THEN

INSERT INTO "maasDegisimi"("kisiNo", "eskiMaas", "yeniMaas", "degisiklikTarihi")

VALUES(OLD."kisiNo", OLD."maas", NEW."maas", CURRENT\_TIMESTAMP::TIMESTAMP);

END IF;

RETURN NEW;

END;

$$;

ALTER FUNCTION public."maasDegisikligiIzle"() OWNER TO postgres;

--

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

--

CREATE FUNCTION public."oduncAlan"(kitapid integer) RETURNS TABLE(adi character varying, soyadi character varying, kitapad character varying)

LANGUAGE plpgsql

AS $$

begin

return QUERY SELECT "public"."tbkitap"."kitapAdi",

"public"."tbkisi"."ad",

"public"."tbkisi"."soyad"

FROM "public"."tbkitap"

INNER JOIN "public"."tbodunc" ON "public"."tbkitap"."kitapNo" = "public"."tbodunc"."kitap"

INNER JOIN "public"."tbuye" ON "public"."tbuye"."kisiNo" = "public"."tbodunc"."uye"

INNER JOIN "public"."tbkisi" ON "public"."tbkisi"."kisiNo" = "public"."tbuye"."kisiNo" where "tbkitap"."kitapNo" = kitapid;

end;

$$;

ALTER FUNCTION public."oduncAlan"(kitapid integer) OWNER TO postgres;

--

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

--

CREATE FUNCTION public."personelKayitGetir"(deger integer) RETURNS TABLE(ad character varying, soyad character varying, gorevadi character varying, silicno character varying, baslamatarihi date)

LANGUAGE plpgsql

AS $$

begin

return QUERY SELECT "tbkisi"."ad","tbkisi"."soyad","tbgorev"."gorevAdi","tbpersonel"."sicilNo","tbpersonel"."baslamaTarihi" FROM "tbkisi"

join "tbpersonel" on "tbkisi"."kisiNo" = "tbpersonel"."kisiNo"

join "tbgorev" on "tbgorev"."gorevNo" = "tbpersonel"."gorev"

where "tbpersonel"."kisiNo" = deger;

end;

$$;

ALTER FUNCTION public."personelKayitGetir"(deger integer) OWNER TO postgres;

--

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

--

CREATE FUNCTION public."stokBilgi"(kitapid integer) RETURNS integer

LANGUAGE plpgsql

AS $$

DECLARE BEGIN

return (select "stok"

from "public"."tbkitap"

where "kitapNo" = kitapid);

END;

$$;

ALTER FUNCTION public."stokBilgi"(kitapid integer) OWNER TO postgres;

SET default\_tablespace = '';

SET default\_table\_access\_method = heap;

--

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

--

CREATE TABLE public.tbgorev (

"gorevNo" integer NOT NULL,

"gorevAdi" character varying(40) NOT NULL

);

ALTER TABLE public.tbgorev OWNER TO postgres;

--

-- Name: Gorev\_gorevNo\_seq; Type: SEQUENCE; Schema: public; Owner: postgres

--

CREATE SEQUENCE public."Gorev\_gorevNo\_seq"

AS integer

START WITH 1

INCREMENT BY 1

NO MINVALUE

NO MAXVALUE

CACHE 1;

ALTER TABLE public."Gorev\_gorevNo\_seq" OWNER TO postgres;

--

-- Name: Gorev\_gorevNo\_seq; Type: SEQUENCE OWNED BY; Schema: public; Owner: postgres

--

ALTER SEQUENCE public."Gorev\_gorevNo\_seq" OWNED BY public.tbgorev."gorevNo";

--

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

--

CREATE TABLE public.tbkisi (

"kisiNo" integer NOT NULL,

ad character varying(40) NOT NULL,

soyad character varying(40) NOT NULL,

cinsiyet character(1) NOT NULL,

"medeniDurumu" integer NOT NULL,

"kisiTur" character varying(40) NOT NULL

);

ALTER TABLE public.tbkisi OWNER TO postgres;

--

-- Name: Kisi\_kisiNo\_seq; Type: SEQUENCE; Schema: public; Owner: postgres

--

CREATE SEQUENCE public."Kisi\_kisiNo\_seq"

AS integer

START WITH 1

INCREMENT BY 1

NO MINVALUE

NO MAXVALUE

CACHE 1;

ALTER TABLE public."Kisi\_kisiNo\_seq" OWNER TO postgres;

--

-- Name: Kisi\_kisiNo\_seq; Type: SEQUENCE OWNED BY; Schema: public; Owner: postgres

--

ALTER SEQUENCE public."Kisi\_kisiNo\_seq" OWNED BY public.tbkisi."kisiNo";

--

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

--

CREATE TABLE public.tbkitap (

"kitapNo" integer NOT NULL,

"kitapAdi" character varying(40) NOT NULL,

"yayinEvi" integer NOT NULL,

"basimYili" date,

stok integer NOT NULL,

"sayfaSayisi" integer NOT NULL,

"ISBN" character varying(40) NOT NULL,

CONSTRAINT stokcheck CHECK ((stok >= 0))

);

ALTER TABLE public.tbkitap OWNER TO postgres;

--

-- Name: Kitap\_kitapNo\_seq; Type: SEQUENCE; Schema: public; Owner: postgres

--

CREATE SEQUENCE public."Kitap\_kitapNo\_seq"

AS integer

START WITH 1

INCREMENT BY 1

NO MINVALUE

NO MAXVALUE

CACHE 1;

ALTER TABLE public."Kitap\_kitapNo\_seq" OWNER TO postgres;

--

-- Name: Kitap\_kitapNo\_seq; Type: SEQUENCE OWNED BY; Schema: public; Owner: postgres

--

ALTER SEQUENCE public."Kitap\_kitapNo\_seq" OWNED BY public.tbkitap."kitapNo";

--

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

--

CREATE TABLE public.tbodunc (

"oduncNo" integer NOT NULL,

uye integer NOT NULL,

kitap integer NOT NULL,

"oduncAlmaTarihi" date NOT NULL,

"geriVermeTarihi" date NOT NULL

);

ALTER TABLE public.tbodunc OWNER TO postgres;

--

-- Name: Odunc\_oduncNo\_seq; Type: SEQUENCE; Schema: public; Owner: postgres

--

CREATE SEQUENCE public."Odunc\_oduncNo\_seq"

AS integer

START WITH 1

INCREMENT BY 1

NO MINVALUE

NO MAXVALUE

CACHE 1;

ALTER TABLE public."Odunc\_oduncNo\_seq" OWNER TO postgres;

--

-- Name: Odunc\_oduncNo\_seq; Type: SEQUENCE OWNED BY; Schema: public; Owner: postgres

--

ALTER SEQUENCE public."Odunc\_oduncNo\_seq" OWNED BY public.tbodunc."oduncNo";

--

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

--

CREATE TABLE public.tbtur (

"turNo" integer NOT NULL,

"turAd" character varying(40) NOT NULL

);

ALTER TABLE public.tbtur OWNER TO postgres;

--

-- Name: Tur\_turNo\_seq; Type: SEQUENCE; Schema: public; Owner: postgres

--

CREATE SEQUENCE public."Tur\_turNo\_seq"

AS integer

START WITH 1

INCREMENT BY 1

NO MINVALUE

NO MAXVALUE

CACHE 1;

ALTER TABLE public."Tur\_turNo\_seq" OWNER TO postgres;

--

-- Name: Tur\_turNo\_seq; Type: SEQUENCE OWNED BY; Schema: public; Owner: postgres

--

ALTER SEQUENCE public."Tur\_turNo\_seq" OWNED BY public.tbtur."turNo";

--

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

--

CREATE TABLE public.tbyayinevi (

"yayinEviNo" integer NOT NULL,

adres character varying(40) NOT NULL,

"yayinEviAdi" character varying(40) NOT NULL

);

ALTER TABLE public.tbyayinevi OWNER TO postgres;

--

-- Name: Yayinevi\_yayinEviNo\_seq; Type: SEQUENCE; Schema: public; Owner: postgres

--

CREATE SEQUENCE public."Yayinevi\_yayinEviNo\_seq"

AS integer

START WITH 1

INCREMENT BY 1

NO MINVALUE

NO MAXVALUE

CACHE 1;

ALTER TABLE public."Yayinevi\_yayinEviNo\_seq" OWNER TO postgres;

--

-- Name: Yayinevi\_yayinEviNo\_seq; Type: SEQUENCE OWNED BY; Schema: public; Owner: postgres

--

ALTER SEQUENCE public."Yayinevi\_yayinEviNo\_seq" OWNED BY public.tbyayinevi."yayinEviNo";

--

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

--

CREATE TABLE public.tbyazar (

"yazarNo" integer NOT NULL,

"yazarAd" character varying(40) NOT NULL

);

ALTER TABLE public.tbyazar OWNER TO postgres;

--

-- Name: Yazar\_yazarNo\_seq; Type: SEQUENCE; Schema: public; Owner: postgres

--

CREATE SEQUENCE public."Yazar\_yazarNo\_seq"

AS integer

START WITH 1

INCREMENT BY 1

NO MINVALUE

NO MAXVALUE

CACHE 1;

ALTER TABLE public."Yazar\_yazarNo\_seq" OWNER TO postgres;

--

-- Name: Yazar\_yazarNo\_seq; Type: SEQUENCE OWNED BY; Schema: public; Owner: postgres

--

ALTER SEQUENCE public."Yazar\_yazarNo\_seq" OWNED BY public.tbyazar."yazarNo";

--

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

--

CREATE TABLE public.il (

"ilNo" integer NOT NULL,

"ilAd" character varying(40) NOT NULL

);

ALTER TABLE public.il OWNER TO postgres;

--

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

--

CREATE TABLE public.ilce (

"ilceNo" integer NOT NULL,

"ilceAd" character varying(40) 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: iletisim\_bilgileri; Type: TABLE; Schema: public; Owner: postgres

--

CREATE TABLE public.iletisim\_bilgileri (

"iletisimNo" integer NOT NULL,

telefon character(11) NOT NULL,

adres character varying(40) NOT NULL,

"kisiNo" integer NOT NULL,

ilce integer NOT NULL

);

ALTER TABLE public.iletisim\_bilgileri OWNER TO postgres;

--

-- Name: iletisimBilgileri\_iletisimNo\_seq; Type: SEQUENCE; Schema: public; Owner: postgres

--

CREATE SEQUENCE public."iletisimBilgileri\_iletisimNo\_seq"

AS integer

START WITH 1

INCREMENT BY 1

NO MINVALUE

NO MAXVALUE

CACHE 1;

ALTER TABLE public."iletisimBilgileri\_iletisimNo\_seq" OWNER TO postgres;

--

-- Name: iletisimBilgileri\_iletisimNo\_seq; Type: SEQUENCE OWNED BY; Schema: public; Owner: postgres

--

ALTER SEQUENCE public."iletisimBilgileri\_iletisimNo\_seq" OWNED BY public.iletisim\_bilgileri."iletisimNo";

--

-- Name: kitap\_tur; Type: TABLE; Schema: public; Owner: postgres

--

CREATE TABLE public.kitap\_tur (

"kitap\_turNo" integer NOT NULL,

tur integer NOT NULL,

kitap integer NOT NULL

);

ALTER TABLE public.kitap\_tur OWNER TO postgres;

--

-- Name: kitap\_tur\_kitap\_turNo\_seq; Type: SEQUENCE; Schema: public; Owner: postgres

--

CREATE SEQUENCE public."kitap\_tur\_kitap\_turNo\_seq"

AS integer

START WITH 1

INCREMENT BY 1

NO MINVALUE

NO MAXVALUE

CACHE 1;

ALTER TABLE public."kitap\_tur\_kitap\_turNo\_seq" OWNER TO postgres;

--

-- Name: kitap\_tur\_kitap\_turNo\_seq; Type: SEQUENCE OWNED BY; Schema: public; Owner: postgres

--

ALTER SEQUENCE public."kitap\_tur\_kitap\_turNo\_seq" OWNED BY public.kitap\_tur."kitap\_turNo";

--

-- Name: kitap\_yazar; Type: TABLE; Schema: public; Owner: postgres

--

CREATE TABLE public.kitap\_yazar (

"kitap\_yazarNo" integer NOT NULL,

yazar integer NOT NULL,

kitap integer NOT NULL

);

ALTER TABLE public.kitap\_yazar OWNER TO postgres;

--

-- Name: kitap\_yazar\_kitap\_yazarNo\_seq; Type: SEQUENCE; Schema: public; Owner: postgres

--

CREATE SEQUENCE public."kitap\_yazar\_kitap\_yazarNo\_seq"

AS integer

START WITH 1

INCREMENT BY 1

NO MINVALUE

NO MAXVALUE

CACHE 1;

ALTER TABLE public."kitap\_yazar\_kitap\_yazarNo\_seq" OWNER TO postgres;

--

-- Name: kitap\_yazar\_kitap\_yazarNo\_seq; Type: SEQUENCE OWNED BY; Schema: public; Owner: postgres

--

ALTER SEQUENCE public."kitap\_yazar\_kitap\_yazarNo\_seq" OWNED BY public.kitap\_yazar."kitap\_yazarNo";

--

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

--

CREATE TABLE public."maasDegisimi" (

"kayitNo" integer NOT NULL,

"kisiNo" integer NOT NULL,

"eskiMaas" real NOT NULL,

"yeniMaas" real NOT NULL,

"degisiklikTarihi" timestamp without time zone NOT NULL

);

ALTER TABLE public."maasDegisimi" OWNER TO postgres;

--

-- Name: maasDegisimi\_kayitNo\_seq; Type: SEQUENCE; Schema: public; Owner: postgres

--

CREATE SEQUENCE public."maasDegisimi\_kayitNo\_seq"

AS integer

START WITH 1

INCREMENT BY 1

NO MINVALUE

NO MAXVALUE

CACHE 1;

ALTER TABLE public."maasDegisimi\_kayitNo\_seq" OWNER TO postgres;

--

-- Name: maasDegisimi\_kayitNo\_seq; Type: SEQUENCE OWNED BY; Schema: public; Owner: postgres

--

ALTER SEQUENCE public."maasDegisimi\_kayitNo\_seq" OWNED BY public."maasDegisimi"."kayitNo";

--

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

--

CREATE TABLE public.medenidurum (

"durumNo" integer NOT NULL,

"durumAdi" character varying(40) NOT NULL

);

ALTER TABLE public.medenidurum OWNER TO postgres;

--

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

--

CREATE TABLE public."silinenKitaplar" (

"kitapNo" integer NOT NULL,

"kitapAdi" character varying(40) NOT NULL,

"yayinEvi" integer NOT NULL,

"basimYili" date,

stok integer NOT NULL,

"sayfaSayisi" integer NOT NULL,

"ISBN" character varying(40) NOT NULL

);

ALTER TABLE public."silinenKitaplar" OWNER TO postgres;

--

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

--

CREATE TABLE public.tbpersonel (

"kisiNo" integer NOT NULL,

"baslamaTarihi" date NOT NULL,

maas integer NOT NULL,

"sicilNo" character varying(40) NOT NULL,

gorev integer NOT NULL

);

ALTER TABLE public.tbpersonel OWNER TO postgres;

--

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

--

CREATE TABLE public.tbuye (

"kisiNo" integer NOT NULL,

"kimlikNo" character varying(11) NOT NULL

);

ALTER TABLE public.tbuye OWNER TO postgres;

--

-- 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: iletisim\_bilgileri iletisimNo; Type: DEFAULT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.iletisim\_bilgileri ALTER COLUMN "iletisimNo" SET DEFAULT nextval('public."iletisimBilgileri\_iletisimNo\_seq"'::regclass);

--

-- Name: kitap\_tur kitap\_turNo; Type: DEFAULT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.kitap\_tur ALTER COLUMN "kitap\_turNo" SET DEFAULT nextval('public."kitap\_tur\_kitap\_turNo\_seq"'::regclass);

--

-- Name: kitap\_yazar kitap\_yazarNo; Type: DEFAULT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.kitap\_yazar ALTER COLUMN "kitap\_yazarNo" SET DEFAULT nextval('public."kitap\_yazar\_kitap\_yazarNo\_seq"'::regclass);

--

-- Name: maasDegisimi kayitNo; Type: DEFAULT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public."maasDegisimi" ALTER COLUMN "kayitNo" SET DEFAULT nextval('public."maasDegisimi\_kayitNo\_seq"'::regclass);

--

-- Name: tbgorev gorevNo; Type: DEFAULT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.tbgorev ALTER COLUMN "gorevNo" SET DEFAULT nextval('public."Gorev\_gorevNo\_seq"'::regclass);

--

-- Name: tbkisi kisiNo; Type: DEFAULT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.tbkisi ALTER COLUMN "kisiNo" SET DEFAULT nextval('public."Kisi\_kisiNo\_seq"'::regclass);

--

-- Name: tbkitap kitapNo; Type: DEFAULT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.tbkitap ALTER COLUMN "kitapNo" SET DEFAULT nextval('public."Kitap\_kitapNo\_seq"'::regclass);

--

-- Name: tbodunc oduncNo; Type: DEFAULT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.tbodunc ALTER COLUMN "oduncNo" SET DEFAULT nextval('public."Odunc\_oduncNo\_seq"'::regclass);

--

-- Name: tbtur turNo; Type: DEFAULT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.tbtur ALTER COLUMN "turNo" SET DEFAULT nextval('public."Tur\_turNo\_seq"'::regclass);

--

-- Name: tbyayinevi yayinEviNo; Type: DEFAULT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.tbyayinevi ALTER COLUMN "yayinEviNo" SET DEFAULT nextval('public."Yayinevi\_yayinEviNo\_seq"'::regclass);

--

-- Name: tbyazar yazarNo; Type: DEFAULT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.tbyazar ALTER COLUMN "yazarNo" SET DEFAULT nextval('public."Yazar\_yazarNo\_seq"'::regclass);

--

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

--

INSERT INTO public.il VALUES

(16, 'Bursa'),

(6, 'Ankara'),

(1, 'Adana'),

(34, 'İstanbul'),

(67, 'Zonguldak');

--

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

--

INSERT INTO public.ilce VALUES

(1, 'Devrek', 67),

(2, 'Çaycuma', 67),

(3, 'Kozlu', 67),

(4, 'Alaplı', 67),

(5, 'Ereğli', 67),

(6, 'Seyhan', 1),

(7, 'Ceyhan', 1),

(8, 'Feke', 1),

(9, 'Kozludağ', 1),

(10, 'Kozan', 1),

(11, 'Pozantı', 1),

(12, 'Osmangazi', 16),

(13, 'İnegöl', 16),

(14, 'Nilüfer', 16),

(15, 'Orhangazi', 16),

(16, 'Gemlik', 16),

(17, 'Yenişehir', 16),

(18, 'Kızılay', 6),

(19, 'Mamak', 6),

(20, 'Altındağ', 6),

(21, 'Çankaya', 6),

(22, 'Sincan', 6),

(23, 'Keçiören', 6),

(24, 'Küçükçekmece', 34),

(25, 'Büyükçekmece', 34),

(26, 'Beylikdüzü', 34),

(27, 'Avcılar', 34),

(28, 'Arnavutköy', 34),

(29, 'Fatih', 34),

(30, 'Kadıköy', 34),

(31, 'Esenler', 34),

(32, 'Pendik', 34);

--

-- Data for Name: iletisim\_bilgileri; Type: TABLE DATA; Schema: public; Owner: postgres

--

INSERT INTO public.iletisim\_bilgileri VALUES

(14, '65465456565', 'karşıyaka mah.', 26, 1),

(17, '12312412313', 'serdivan', 32, 29),

(16, '23423523423', 'CAMİLİ MAH', 28, 8),

(22, '56565656565', 'kozlu mah', 38, 20);

--

-- Data for Name: kitap\_tur; Type: TABLE DATA; Schema: public; Owner: postgres

--

INSERT INTO public.kitap\_tur VALUES

(6, 8, 19),

(7, 9, 20),

(8, 10, 21),

(9, 11, 22),

(10, 12, 23);

--

-- Data for Name: kitap\_yazar; Type: TABLE DATA; Schema: public; Owner: postgres

--

INSERT INTO public.kitap\_yazar VALUES

(6, 6, 19),

(7, 7, 20),

(8, 8, 21),

(9, 9, 22),

(10, 10, 23);

--

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

--

INSERT INTO public."maasDegisimi" VALUES

(2, 30, 2900, 3700, '2021-12-16 11:59:01.828145');

--

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

--

INSERT INTO public.medenidurum VALUES

(1, 'Evli'),

(2, 'Bekar');

--

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

--

INSERT INTO public."silinenKitaplar" VALUES

(12, 'korsanlar', 4, '2021-01-01', 31, 233, '56565'),

(10, 'ruh', 2, '2019-11-11', 3, 123, '123'),

(13, 'ASFASF', 4, NULL, 3, 233, '122'),

(14, '', 2, NULL, 2, 212, '1212'),

(15, 'KAŞAĞI', 2, NULL, 5, 565, '556'),

(16, 'OSMAN', 2, '2021-12-15', 5, 656, '464'),

(17, 'KÜÇÜK PRENS', 4, '2021-12-16', 5, 120, 'B1325'),

(18, 'CEHENNEM', 2, '1990-12-12', 5, 500, 'R545');

--

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

--

INSERT INTO public.tbgorev VALUES

(1, 'Hademe'),

(2, 'Danışman'),

(3, 'Müdür');

--

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

--

INSERT INTO public.tbkisi VALUES

(26, 'EREN', 'BEKMEZCI', 'E', 2, 'Üye'),

(29, 'MEHMET', 'ALI', 'E', 1, 'Personel'),

(30, 'HAYDAR', 'ALICAN', 'E', 1, 'Personel'),

(32, 'RABIA NUR', 'ÇAĞLı', 'K', 2, 'Üye'),

(31, 'SAKINE', 'CAN', 'K', 1, 'Personel'),

(28, 'ŞEVIN SENA', 'DERE', 'K', 2, 'Üye'),

(38, 'BURAK', 'KOZLUCA', 'E', 2, 'Üye');

--

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

--

INSERT INTO public.tbkitap VALUES

(21, 'KARAMAZOV KARDEŞLER', 4, '1890-12-12', 5, 400, 'R54'),

(19, 'CEHENNEM', 2, '1990-12-12', 3, 500, 'R546'),

(22, 'SEFILLER', 4, '1880-12-12', 3, 800, 'R456'),

(23, 'KÜÇÜK PRENS', 3, '1880-12-12', 5, 200, 'r45645'),

(20, 'KAŞAĞı', 3, '1987-12-12', 3, 400, 'H54');

--

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

--

INSERT INTO public.tbodunc VALUES

(17, 32, 19, '2021-12-16', '2021-12-30'),

(19, 32, 22, '2021-12-20', '2022-01-05'),

(20, 38, 20, '2021-12-20', '2022-01-05');

--

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

--

INSERT INTO public.tbpersonel VALUES

(29, '2021-12-16', 5000, '65465', 3),

(31, '2021-12-16', 4000, '46541', 2),

(30, '2021-12-16', 3700, '46565', 1);

--

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

--

INSERT INTO public.tbtur VALUES

(8, 'roman'),

(9, 'hkaye'),

(10, 'prsikiloji-roman'),

(11, 'Roman'),

(12, 'hikaye');

--

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

--

INSERT INTO public.tbuye VALUES

(26, '11111111111'),

(32, '12312312332'),

(28, '23423423443'),

(38, '77777777777');

--

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

--

INSERT INTO public.tbyayinevi VALUES

(2, 'karsiyaka mah.', 'seckin kitabevi'),

(3, 'serdivan mah.', 'işler kitabevi'),

(4, 'kızılay', 'ahmet kitabevi');

--

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

--

INSERT INTO public.tbyazar VALUES

(5, 'dan brown'),

(6, 'Dan Brown'),

(7, 'Ömer Seyfettin'),

(8, 'dostoyevski'),

(9, 'victor hugo'),

(10, 'mehmet');

--

-- Name: Gorev\_gorevNo\_seq; Type: SEQUENCE SET; Schema: public; Owner: postgres

--

SELECT pg\_catalog.setval('public."Gorev\_gorevNo\_seq"', 4, true);

--

-- Name: Kisi\_kisiNo\_seq; Type: SEQUENCE SET; Schema: public; Owner: postgres

--

SELECT pg\_catalog.setval('public."Kisi\_kisiNo\_seq"', 40, true);

--

-- Name: Kitap\_kitapNo\_seq; Type: SEQUENCE SET; Schema: public; Owner: postgres

--

SELECT pg\_catalog.setval('public."Kitap\_kitapNo\_seq"', 23, true);

--

-- Name: Odunc\_oduncNo\_seq; Type: SEQUENCE SET; Schema: public; Owner: postgres

--

SELECT pg\_catalog.setval('public."Odunc\_oduncNo\_seq"', 20, true);

--

-- Name: Tur\_turNo\_seq; Type: SEQUENCE SET; Schema: public; Owner: postgres

--

SELECT pg\_catalog.setval('public."Tur\_turNo\_seq"', 12, true);

--

-- Name: Yayinevi\_yayinEviNo\_seq; Type: SEQUENCE SET; Schema: public; Owner: postgres

--

SELECT pg\_catalog.setval('public."Yayinevi\_yayinEviNo\_seq"', 4, true);

--

-- Name: Yazar\_yazarNo\_seq; Type: SEQUENCE SET; Schema: public; Owner: postgres

--

SELECT pg\_catalog.setval('public."Yazar\_yazarNo\_seq"', 10, true);

--

-- Name: ilce\_ilceNo\_seq; Type: SEQUENCE SET; Schema: public; Owner: postgres

--

SELECT pg\_catalog.setval('public."ilce\_ilceNo\_seq"', 32, true);

--

-- Name: iletisimBilgileri\_iletisimNo\_seq; Type: SEQUENCE SET; Schema: public; Owner: postgres

--

SELECT pg\_catalog.setval('public."iletisimBilgileri\_iletisimNo\_seq"', 24, true);

--

-- Name: kitap\_tur\_kitap\_turNo\_seq; Type: SEQUENCE SET; Schema: public; Owner: postgres

--

SELECT pg\_catalog.setval('public."kitap\_tur\_kitap\_turNo\_seq"', 10, true);

--

-- Name: kitap\_yazar\_kitap\_yazarNo\_seq; Type: SEQUENCE SET; Schema: public; Owner: postgres

--

SELECT pg\_catalog.setval('public."kitap\_yazar\_kitap\_yazarNo\_seq"', 10, true);

--

-- Name: maasDegisimi\_kayitNo\_seq; Type: SEQUENCE SET; Schema: public; Owner: postgres

--

SELECT pg\_catalog.setval('public."maasDegisimi\_kayitNo\_seq"', 2, true);

--

-- Name: tbkisi KisiPK; Type: CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.tbkisi

ADD CONSTRAINT "KisiPK" PRIMARY KEY ("kisiNo");

--

-- Name: tbpersonel PersonelPK; Type: CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.tbpersonel

ADD CONSTRAINT "PersonelPK" PRIMARY KEY ("kisiNo");

--

-- Name: tbgorev gorevPK; Type: CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.tbgorev

ADD CONSTRAINT "gorevPK" PRIMARY KEY ("gorevNo");

--

-- 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\_bilgileri iletisimBilgileriPK; Type: CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.iletisim\_bilgileri

ADD CONSTRAINT "iletisimBilgileriPK" PRIMARY KEY ("iletisimNo");

--

-- Name: tbkitap kitapPK; Type: CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.tbkitap

ADD CONSTRAINT "kitapPK" PRIMARY KEY ("kitapNo");

--

-- Name: kitap\_tur kitap\_turPK; Type: CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.kitap\_tur

ADD CONSTRAINT "kitap\_turPK" PRIMARY KEY ("kitap\_turNo");

--

-- Name: kitap\_yazar kitap\_yazarPK; Type: CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.kitap\_yazar

ADD CONSTRAINT "kitap\_yazarPK" PRIMARY KEY ("kitap\_yazarNo");

--

-- Name: maasDegisimi maasDegisimİPK; Type: CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public."maasDegisimi"

ADD CONSTRAINT "maasDegisimİPK" PRIMARY KEY ("kayitNo");

--

-- Name: medenidurum medeniDurumPK; Type: CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.medenidurum

ADD CONSTRAINT "medeniDurumPK" PRIMARY KEY ("durumNo");

--

-- Name: tbodunc oduncPK; Type: CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.tbodunc

ADD CONSTRAINT "oduncPK" PRIMARY KEY ("oduncNo");

--

-- Name: silinenKitaplar silinenKitaplar\_pkey; Type: CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public."silinenKitaplar"

ADD CONSTRAINT "silinenKitaplar\_pkey" PRIMARY KEY ("kitapNo");

--

-- Name: tbtur turPK; Type: CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.tbtur

ADD CONSTRAINT "turPK" PRIMARY KEY ("turNo");

--

-- Name: tbuye unique\_tbuye\_kimlikNo; Type: CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.tbuye

ADD CONSTRAINT "unique\_tbuye\_kimlikNo" UNIQUE ("kimlikNo");

--

-- Name: tbuye uyePK; Type: CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.tbuye

ADD CONSTRAINT "uyePK" PRIMARY KEY ("kisiNo");

--

-- Name: tbyayinevi yayineviPK; Type: CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.tbyayinevi

ADD CONSTRAINT "yayineviPK" PRIMARY KEY ("yayinEviNo");

--

-- Name: tbyazar yazarPK; Type: CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.tbyazar

ADD CONSTRAINT "yazarPK" PRIMARY KEY ("yazarNo");

--

-- Name: tbkisi kisiKontrol; Type: TRIGGER; Schema: public; Owner: postgres

--

CREATE TRIGGER "kisiKontrol" BEFORE INSERT OR UPDATE ON public.tbkisi FOR EACH ROW EXECUTE FUNCTION public."kisiEkleTR1"();

--

-- Name: tbkitap kitapKontrol; Type: TRIGGER; Schema: public; Owner: postgres

--

CREATE TRIGGER "kitapKontrol" BEFORE INSERT OR UPDATE ON public.tbkitap FOR EACH ROW EXECUTE FUNCTION public."kitapEkleTR1"();

--

-- Name: tbkitap kitapSilindiginde; Type: TRIGGER; Schema: public; Owner: postgres

--

CREATE TRIGGER "kitapSilindiginde" AFTER DELETE ON public.tbkitap FOR EACH ROW EXECUTE FUNCTION public."SilinenKitapArsiv"();

--

-- Name: tbodunc kitapStokAzalt; Type: TRIGGER; Schema: public; Owner: postgres

--

CREATE TRIGGER "kitapStokAzalt" AFTER INSERT ON public.tbodunc FOR EACH ROW EXECUTE FUNCTION public."kitapStok"();

--

-- Name: tbpersonel maasDegisikligi; Type: TRIGGER; Schema: public; Owner: postgres

--

CREATE TRIGGER "maasDegisikligi" BEFORE UPDATE ON public.tbpersonel FOR EACH ROW EXECUTE FUNCTION public."maasDegisikligiIzle"();

--

-- Name: tbpersonel PersonelFK; Type: FK CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.tbpersonel

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

--

-- Name: iletisim\_bilgileri iletisimBilgileriFK1; Type: FK CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.iletisim\_bilgileri

ADD CONSTRAINT "iletisimBilgileriFK1" FOREIGN KEY ("kisiNo") REFERENCES public.tbkisi("kisiNo") ON UPDATE CASCADE ON DELETE CASCADE;

--

-- Name: iletisim\_bilgileri iletisimBilgileriFK2; Type: FK CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.iletisim\_bilgileri

ADD CONSTRAINT "iletisimBilgileriFK2" FOREIGN KEY (ilce) REFERENCES public.ilce("ilceNo");

--

-- Name: tbkitap kitapFK; Type: FK CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.tbkitap

ADD CONSTRAINT "kitapFK" FOREIGN KEY ("yayinEvi") REFERENCES public.tbyayinevi("yayinEviNo");

--

-- Name: kitap\_yazar kitapFK2; Type: FK CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.kitap\_yazar

ADD CONSTRAINT "kitapFK2" FOREIGN KEY (kitap) REFERENCES public.tbkitap("kitapNo") ON UPDATE CASCADE ON DELETE CASCADE;

--

-- Name: kitap\_tur kitapFK3; Type: FK CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.kitap\_tur

ADD CONSTRAINT "kitapFK3" FOREIGN KEY (kitap) REFERENCES public.tbkitap("kitapNo") ON UPDATE CASCADE ON DELETE CASCADE;

--

-- Name: tbodunc oduncFK1; Type: FK CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.tbodunc

ADD CONSTRAINT "oduncFK1" FOREIGN KEY (uye) REFERENCES public.tbuye("kisiNo") ON UPDATE CASCADE ON DELETE CASCADE;

--

-- Name: tbodunc oduncFK2; Type: FK CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.tbodunc

ADD CONSTRAINT "oduncFK2" FOREIGN KEY (kitap) REFERENCES public.tbkitap("kitapNo") ON UPDATE CASCADE ON DELETE CASCADE;

--

-- Name: tbkisi tbkisiFK; Type: FK CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.tbkisi

ADD CONSTRAINT "tbkisiFK" FOREIGN KEY ("medeniDurumu") REFERENCES public.medenidurum("durumNo");

--

-- Name: kitap\_tur turFK; Type: FK CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.kitap\_tur

ADD CONSTRAINT "turFK" FOREIGN KEY (tur) REFERENCES public.tbtur("turNo");

--

-- Name: tbuye uyeFK; Type: FK CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.tbuye

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

--

-- Name: kitap\_yazar yazarFK; Type: FK CONSTRAINT; Schema: public; Owner: postgres

--

ALTER TABLE ONLY public.kitap\_yazar

ADD CONSTRAINT "yazarFK" FOREIGN KEY (yazar) REFERENCES public.tbyazar("yazarNo");

--

-- PostgreSQL database dump complete

--

# **Fonksiyonlar ve Saklı Yordamlar:**

### **İd bilgisi parametre olarak verilen kitap bilgilerini tablo seklinde gösterir.**

CREATE OR REPLACE FUNCTION public."kitapKayitGetir"(

deger integer)

RETURNS TABLE(kitapad character varying, basimyili date, stok integer, yazarad character varying, turad character varying, yayinevi integer)

LANGUAGE 'plpgsql'

COST 100

VOLATILE PARALLEL UNSAFE

ROWS 1000

AS $BODY$

begin

return QUERY SELECT "public"."tbkitap"."kitapAdi",

"public"."tbkitap"."basimYili",

"public"."tbkitap"."stok",

"public"."tbyazar"."yazarAd",

"public"."tbtur"."turAd",

"public"."tbkitap"."yayinEvi"

FROM "public"."tbkitap"

INNER JOIN "public"."kitap\_yazar" ON "public"."tbkitap"."kitapNo" = "public"."kitap\_yazar"."kitap"

INNER JOIN "public"."tbyazar" ON "public"."tbyazar"."yazarNo" = "public"."kitap\_yazar"."yazar"

INNER JOIN "public"."kitap\_tur" ON "public"."tbkitap"."kitapNo" = "public"."kitap\_tur"."kitap"

INNER JOIN "public"."tbtur" ON "public"."tbtur"."turNo" = "public"."kitap\_tur"."tur" WHERE "tbkitap"."kitapNo" = deger;

end;

$BODY$;

ALTER FUNCTION public."kitapKayitGetir"(integer)

OWNER TO postgres;

### **id sine göre o kitabı alan üyeyi tablo şeklinde gösterir**

CREATE OR REPLACE FUNCTION public."oduncAlan"(

kitapid integer)

RETURNS TABLE(adi character varying, soyadi character varying, kitapad character varying)

LANGUAGE 'plpgsql'

COST 100

VOLATILE PARALLEL UNSAFE

ROWS 1000

AS $BODY$

begin

return QUERY SELECT "public"."tbkitap"."kitapAdi",

"public"."tbkisi"."ad",

"public"."tbkisi"."soyad"

FROM "public"."tbkitap"

INNER JOIN "public"."tbodunc" ON "public"."tbkitap"."kitapNo" = "public"."tbodunc"."kitap"

INNER JOIN "public"."tbuye" ON "public"."tbuye"."kisiNo" = "public"."tbodunc"."uye"

INNER JOIN "public"."tbkisi" ON "public"."tbkisi"."kisiNo" = "public"."tbuye"."kisiNo" where "tbkitap"."kitapNo" = kitapid;

end;

$BODY$;

ALTER FUNCTION public."oduncAlan"(integer)

OWNER TO postgres;

### **id bilgisi parametre olarak üye bilgilerini tablo şeklinde gösterir**

CREATE OR REPLACE FUNCTION public."personelKayitGetir"(

deger integer)

RETURNS TABLE(ad character varying, soyad character varying, gorevadi character varying, silicno character varying, baslamatarihi date)

LANGUAGE 'plpgsql'

COST 100

VOLATILE PARALLEL UNSAFE

ROWS 1000

AS $BODY$

begin

return QUERY SELECT "tbkisi"."ad","tbkisi"."soyad","tbgorev"."gorevAdi","tbpersonel"."sicilNo","tbpersonel"."baslamaTarihi" FROM "tbkisi"

join "tbpersonel" on "tbkisi"."kisiNo" = "tbpersonel"."kisiNo"

join "tbgorev" on "tbgorev"."gorevNo" = "tbpersonel"."gorev"

where "tbpersonel"."kisiNo" = deger;

end;

$BODY$;

ALTER FUNCTION public."personelKayitGetir"(integer)

OWNER TO postgres;

### **id si verilen kitabin stok bilgisini gösterir**

CREATE OR REPLACE FUNCTION public."stokBilgi"(

kitapid integer)

RETURNS integer

LANGUAGE 'plpgsql'

COST 100

VOLATILE PARALLEL UNSAFE

AS $BODY$

DECLARE BEGIN

return (select "stok"

from "public"."tbkitap"

where "kitapNo" = kitapid);

END;

$BODY$;

ALTER FUNCTION public."stokBilgi"(integer)

OWNER TO postgres;

# **Tetikleyiciler**

### **Kişinin adını, soyadını büyük ve boşluk bırakmadan kaydetmeye yarar**

**CREATE OR REPLACE FUNCTION public."kisiEkleTR1"()**

**RETURNS trigger**

**LANGUAGE 'plpgsql'**

**COST 100**

**VOLATILE NOT LEAKPROOF**

**AS $BODY$**

**BEGIN**

**NEW."ad" = UPPER(NEW."ad");**

**NEW."soyad" = UPPER(NEW."soyad");**

**NEW."ad" = LTRIM(NEW."ad");**

**NEW."soyad" = LTRIM(NEW."soyad");**

**IF NEW."ad" IS NULL THEN**

**RAISE EXCEPTION 'ad ve soyad alanı boş olamaz';**

**END IF;**

**RETURN NEW;**

**END;**

**$BODY$;**

**ALTER FUNCTION public."kisiEkleTR1"()**

**OWNER TO postgres;**

### **Kitabın adını büyük ve boşluk bırakmadan kaydetmeye yarar**

**CREATE OR REPLACE FUNCTION public."kitapEkleTR1"()**

**RETURNS trigger**

**LANGUAGE 'plpgsql'**

**COST 100**

**VOLATILE NOT LEAKPROOF**

**AS $BODY$**

**BEGIN**

**NEW."kitapAdi" = UPPER(NEW."kitapAdi");**

**NEW."kitapAdi" = LTRIM(NEW."kitapAdi");**

**IF NEW."kitapAdi" IS NULL THEN**

**RAISE EXCEPTION 'kitapAdi alanı boş olamaz';**

**END IF;**

**RETURN NEW;**

**END;**

**$BODY$;**

**ALTER FUNCTION public."kitapEkleTR1"()**

**OWNER TO postgres;**

### **Kitap ödünç alma işleminde kitap ödünç alındıktan sonra alınan kitabin stok bilgisinin 1 azaltmasını sağlar**

**CREATE OR REPLACE FUNCTION public."kitapStok"()**

**RETURNS trigger**

**LANGUAGE 'plpgsql'**

**COST 100**

**VOLATILE NOT LEAKPROOF**

**AS $BODY$**

**BEGIN**

**UPDATE "tbkitap" SET "stok" = "stok" - 1**

**WHERE "kitapNo" = NEW.kitap;**

**RETURN NEW;**

**END;**

**$BODY$;**

**ALTER FUNCTION public."kitapStok"()**

**OWNER TO postgres;**

### **Silinen bir kitap olduğunda silinen kitabin bilgilerini tutmaya yarar**

CREATE OR REPLACE FUNCTION public."SilinenKitapArsiv"()

RETURNS trigger

LANGUAGE 'plpgsql'

COST 100

VOLATILE NOT LEAKPROOF

AS $BODY$

BEGIN

INSERT INTO "silinenKitaplar"("kitapNo", "kitapAdi", "basimYili", "stok","yayinEvi","ISBN","sayfaSayisi")

VALUES(OLD."kitapNo", OLD."kitapAdi", OLD."basimYili",OLD."stok",OLD."yayinEvi",OLD."ISBN",OLD."sayfaSayisi" );

RETURN NEW;

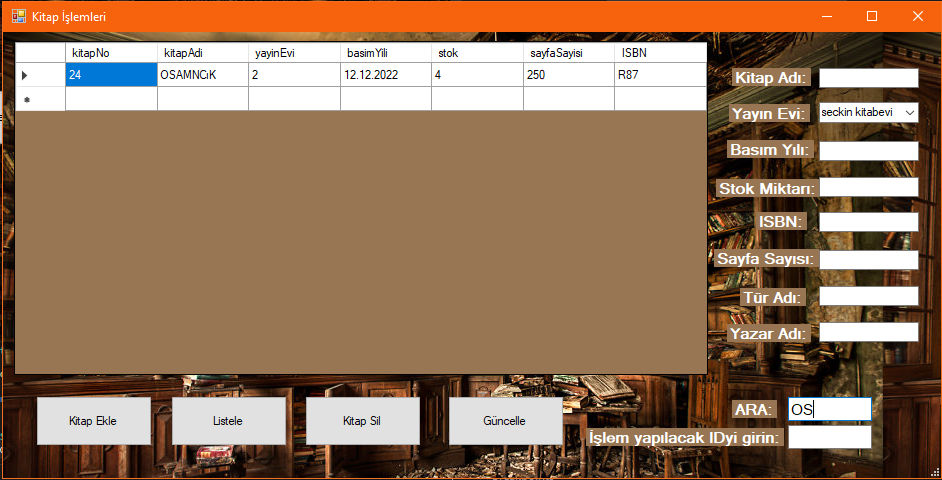
END;

$BODY$;

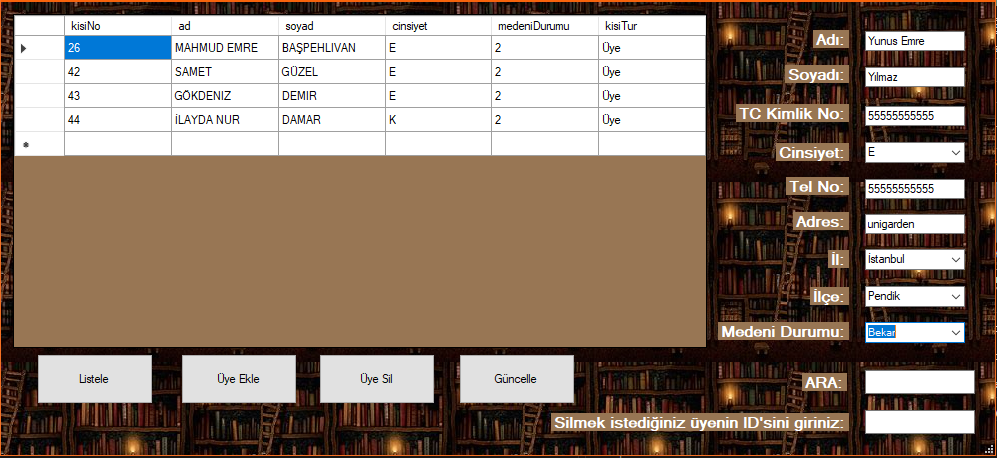
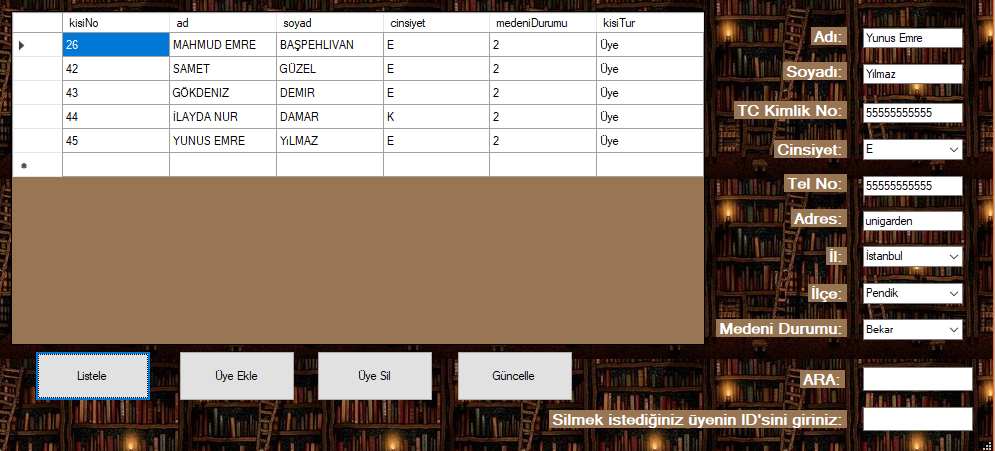
ALTER FUNCTION public."SilinenKitapArsiv"()

OWNER TO postgres;**Fotoğraflar**

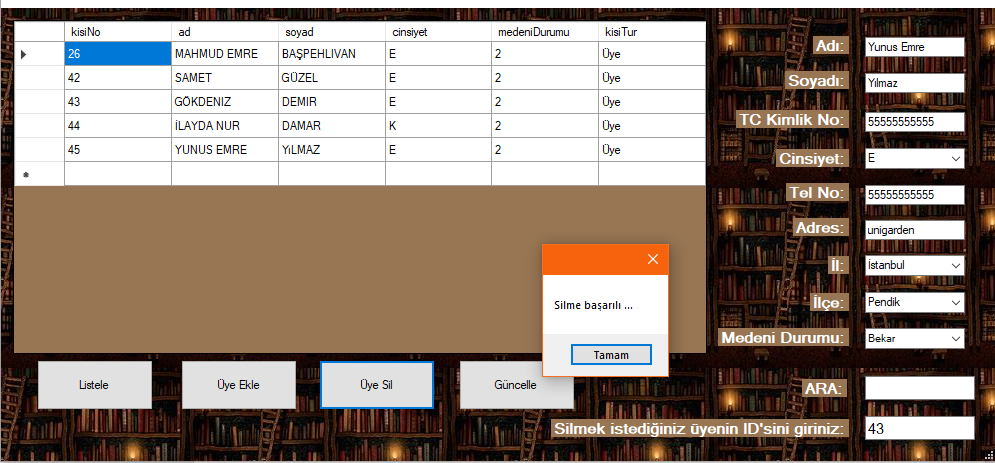
### Arama

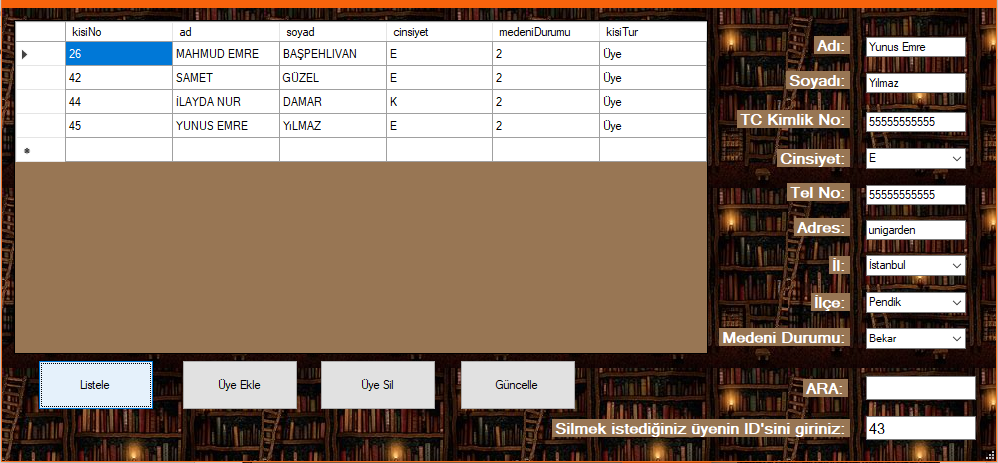


### Ekleme

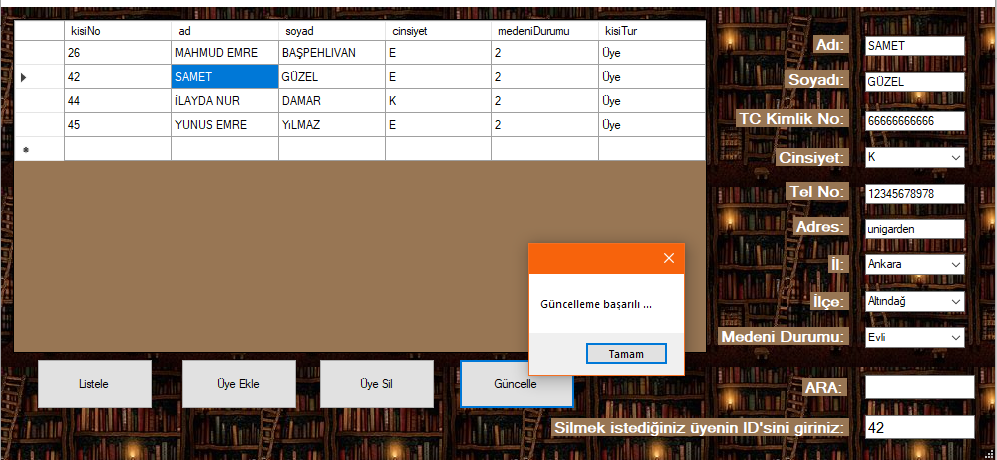


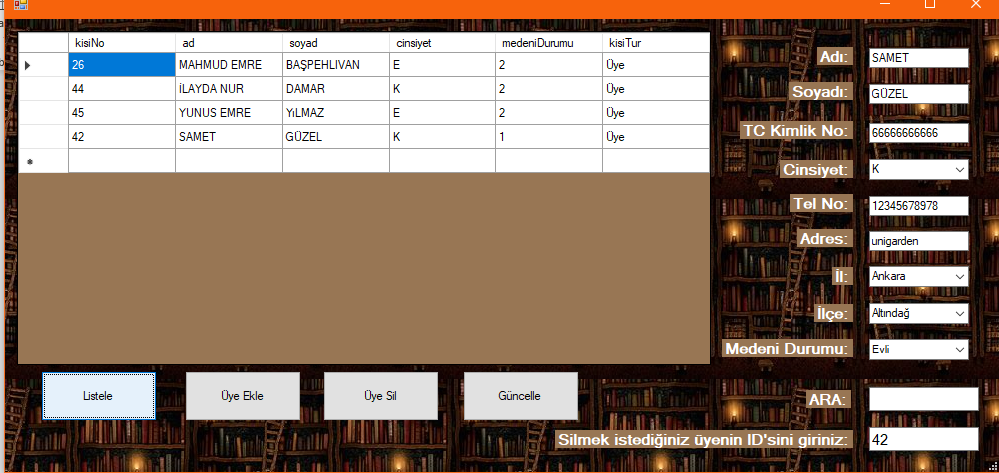
### Silme



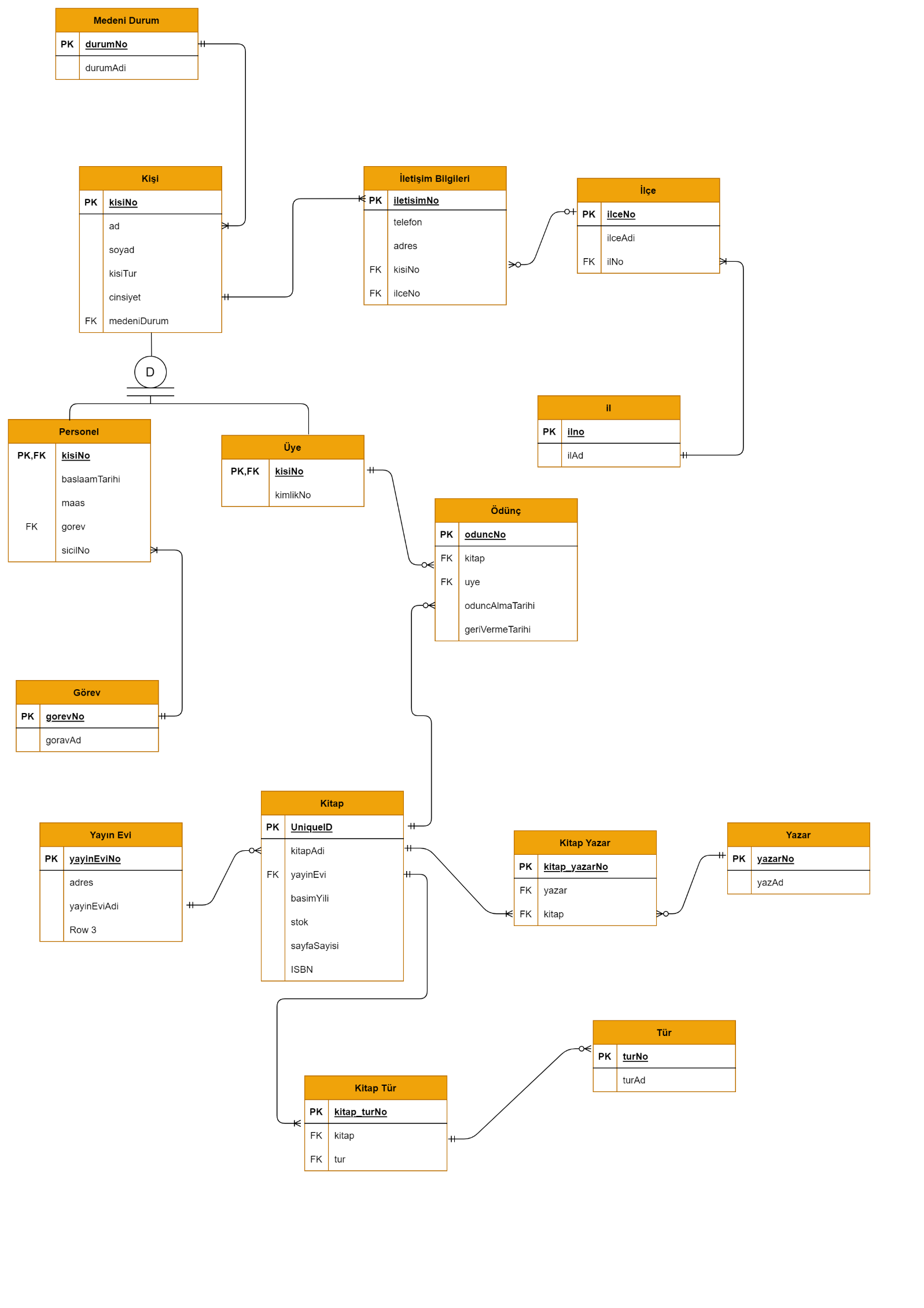


### Güncelleme





İlişkisel Tablo



İlişlisel Şema

İl( ilNo: integer ilAd:character varying)

İlce (ilceNo: integer ilceAd:character varying)

İletişim\_bilgileri( iletisimNo:integer telefon:character adres:character varying kisiNo:integer ilce:integer)

Kitap\_tur(litap\_turNo: integer tur:integer kitap:integer)

Kitap\_yazar(kitap\_yazarNo:integer yazar:integer kitap:integer)

Medeni\_durum(durumNo:integer durumAdi: character varying)

silinenKitaplar(kitapNo:integer kitapAdi:character varying yayinEvi:integer basimYili:date stok:integer sayfaSayisi:integer ISBN:character varying)

tbGorev(gorevNo:integer gorevadi:character varying)

tbKisi( kisiNo:integer ad:characte varying soyad:character vary,ing cinsiyet:character medeniDurum:integer kisiTur:character varying

tbKitap(kitapNo:integer kitapAdi:character varying yayinEvi:integer basimYili:date stok:integer sayfaSayisi:integer ISBN:character varying)

tbOdunc(oduncNo:integer uye:integer kitap:integer oduncAlmaTarihi:date geriVermeTarihi:date)

tbTur(turNo:integer turAd:character varyng)

tbUye(kisiNo:integer kimlikNo:character varying)

tbYayinevi(yayinEviNo:integer adres:character varying yayinEviAdi:character vary,ing)

tbYazar( yazarNo:integer yazarAd:character varying)