

Database

Create

```
-- Database: BenefitsManager

-- DROP DATABASE IF EXISTS "BenefitsManager";

CREATE DATABASE "BenefitsManager"
  WITH
    OWNER = postgres
    ENCODING = 'UTF8'
    LC_COLLATE = 'English_United States.1252'
    LC_CTYPE = 'English_United States.1252'
    LOCALE_PROVIDER = 'libc'
    TABLESPACE = pg_default
    CONNECTION LIMIT = -1
    IS_TEMPLATE = False;
```

Schema

Create

```
-- SCHEMA: public

-- DROP SCHEMA IF EXISTS public ;

CREATE SCHEMA IF NOT EXISTS public
  AUTHORIZATION pg_database_owner;

COMMENT ON SCHEMA public
  IS 'standard public schema';

GRANT USAGE ON SCHEMA public TO PUBLIC;

GRANT ALL ON SCHEMA public TO pg_database_owner;
```

Sequence

Benefits_Id

Create

```
-- SEQUENCE: public.Benefits_Id_seq

-- DROP SEQUENCE IF EXISTS public."Benefits_Id_seq";
```

```
CREATE SEQUENCE IF NOT EXISTS public."Benefits_Id_seq"  
  INCREMENT 1  
  START 1  
  MINVALUE 1  
  MAXVALUE 2147483647  
  CACHE 1;
```

```
ALTER SEQUENCE public."Benefits_Id_seq"  
  OWNER TO postgres;
```

Taxpayers_Id

Create

```
-- SEQUENCE: public.Taxpayers_Id_seq  
  
-- DROP SEQUENCE IF EXISTS public."Taxpayers_Id_seq";  
  
CREATE SEQUENCE IF NOT EXISTS public."Taxpayers_Id_seq"  
  INCREMENT 1  
  START 1  
  MINVALUE 1  
  MAXVALUE 2147483647  
  CACHE 1;  
  
ALTER SEQUENCE public."Taxpayers_Id_seq"  
  OWNER TO postgres;
```

Tables

Benefits

Create

```
-- Table: public.Benefits  
  
-- DROP TABLE IF EXISTS public."Benefits";  
  
CREATE TABLE IF NOT EXISTS public."Benefits"  
(  
  "Id" integer NOT NULL GENERATED BY DEFAULT AS IDENTITY ( INCREMENT 1  
START 1 MINVALUE 1 MAXVALUE 2147483647 CACHE 1 ),  
  "Name" text COLLATE pg_catalog."default" NOT NULL,  
  "DiscountPercentage" real NOT NULL,  
  CONSTRAINT "PK_Benefits" PRIMARY KEY ("Id")  
)
```

```
TABLESPACE pg_default;
```

```
ALTER TABLE IF EXISTS public."Benefits"  
  OWNER to postgres;
```

Select

```
SELECT "Id", "Name", "DiscountPercentage"  
  FROM public."Benefits";
```

Insert

```
INSERT INTO public."Benefits"(  
  "Id", "Name", "DiscountPercentage")  
VALUES (?, ?, ?);
```

Update

```
UPDATE public."Benefits"  
  SET "Id"=?, "Name"=?, "DiscountPercentage"=?  
  WHERE <condition>;
```

Delete

```
DELETE FROM public."Benefits"  
  WHERE <condition>;
```

Taxpayer

Create

```
-- Table: public.Taxpayers
```

```
-- DROP TABLE IF EXISTS public."Taxpayers";
```

```
CREATE TABLE IF NOT EXISTS public."Taxpayers"  
(  
  "Id" integer NOT NULL GENERATED BY DEFAULT AS IDENTITY ( INCREMENT 1  
START 1 MINVALUE 1 MAXVALUE 2147483647 CACHE 1 ),  
  "Cnpj" bigint NOT NULL,  
  "CompanyName" text COLLATE pg_catalog."default" NOT NULL,  
  "OpeningDate" date NOT NULL,  
  "TaxationRegime" text COLLATE pg_catalog."default" NOT NULL,  
  CONSTRAINT "PK_Taxpayers" PRIMARY KEY ("Id")  
)
```

```
TABLESPACE pg_default;
```

```
ALTER TABLE IF EXISTS public."Taxpayers"  
    OWNER to postgres;  
-- Index: IX_Taxpayers_Cnpj  
  
-- DROP INDEX IF EXISTS public."IX_Taxpayers_Cnpj";  
  
CREATE UNIQUE INDEX IF NOT EXISTS "IX_Taxpayers_Cnpj"  
    ON public."Taxpayers" USING btree  
    ("Cnpj" ASC NULLS LAST)  
    TABLESPACE pg_default;
```

Select

```
SELECT "Id", "Cnpj", "CompanyName", "OpeningDate", "TaxationRegime"  
    FROM public."Taxpayers";
```

Insert

```
INSERT INTO public."Taxpayers"(  
    "Id", "Cnpj", "CompanyName", "OpeningDate", "TaxationRegime")  
    VALUES (?, ?, ?, ?, ?);
```

Update

```
UPDATE public."Taxpayers"  
    SET "Id"=?, "Cnpj"=?, "CompanyName"=?, "OpeningDate"=?, "TaxationRegime"=?  
    WHERE <condition>;
```

Delete

```
DELETE FROM public."Taxpayers"  
    WHERE <condition>;
```

TaxpayerBenefits

Create

```
-- Table: public.TaxpayerBenefits  
  
-- DROP TABLE IF EXISTS public."TaxpayerBenefits";  
  
CREATE TABLE IF NOT EXISTS public."TaxpayerBenefits"  
(  
    "TaxpayerId" integer NOT NULL,  
    "BenefitId" integer NOT NULL,  
    CONSTRAINT "PK_TaxpayerBenefits" PRIMARY KEY ("TaxpayerId", "BenefitId"),
```

```

CONSTRAINT "FK_TaxpayerBenefits_Benefits_BenefitId" FOREIGN KEY ("BenefitId")
REFERENCES public."Benefits" ("Id") MATCH SIMPLE
ON UPDATE NO ACTION
ON DELETE CASCADE,
CONSTRAINT "FK_TaxpayerBenefits_Taxpayers_TaxpayerId" FOREIGN KEY
("TaxpayerId")
REFERENCES public."Taxpayers" ("Id") MATCH SIMPLE
ON UPDATE NO ACTION
ON DELETE CASCADE
)

```

```

TABLESPACE pg_default;

```

```

ALTER TABLE IF EXISTS public."TaxpayerBenefits"
OWNER to postgres;

```

```

-- Index: IX_TaxpayerBenefits_BenefitId

```

```

-- DROP INDEX IF EXISTS public."IX_TaxpayerBenefits_BenefitId";

```

```

CREATE INDEX IF NOT EXISTS "IX_TaxpayerBenefits_BenefitId"
ON public."TaxpayerBenefits" USING btree
("BenefitId" ASC NULLS LAST)
TABLESPACE pg_default;

```

Select

```

SELECT "TaxpayerId", "BenefitId"
FROM public."TaxpayerBenefits";

```

Insert

```

INSERT INTO public."TaxpayerBenefits"(
    "TaxpayerId", "BenefitId")
VALUES (?, ?);

```

Update

```

UPDATE public."TaxpayerBenefits"
SET "TaxpayerId"=?, "BenefitId"=?
WHERE <condition>;

```

Delete

```

DELETE FROM public."TaxpayerBenefits"
WHERE <condition>;

```

