BEGIN;

CREATE TABLE IF NOT EXISTS public.material\_requirements

(

requirement\_id serial NOT NULL,

product\_id integer,

material\_id integer,

required\_quantity numeric(10, 2) NOT NULL,

CONSTRAINT material\_requirements\_pkey PRIMARY KEY (requirement\_id)

);

CREATE TABLE IF NOT EXISTS public.materials

(

material\_id serial NOT NULL,

material\_name character varying(100) COLLATE pg\_catalog."default" NOT NULL,

material\_type\_id integer,

unit\_price numeric(10, 2) NOT NULL,

stock\_quantity numeric(10, 2) NOT NULL,

min\_quantity numeric(10, 2) NOT NULL,

package\_quantity numeric(10, 2) NOT NULL,

unit\_of\_measure character varying(20) COLLATE pg\_catalog."default" NOT NULL,

CONSTRAINT materials\_pkey PRIMARY KEY (material\_id)

);

CREATE TABLE IF NOT EXISTS public.material\_types

(

material\_type\_id serial NOT NULL,

type\_name character varying(50) COLLATE pg\_catalog."default" NOT NULL,

waste\_percentage numeric(10, 6) NOT NULL,

CONSTRAINT material\_types\_pkey PRIMARY KEY (material\_type\_id)

);

CREATE TABLE IF NOT EXISTS public.products

(

product\_id serial NOT NULL,

product\_type\_id integer,

product\_name character varying(100) COLLATE pg\_catalog."default" NOT NULL,

article\_number character varying(20) COLLATE pg\_catalog."default" NOT NULL,

min\_partner\_price numeric(10, 2) NOT NULL,

CONSTRAINT products\_pkey PRIMARY KEY (product\_id)

);

CREATE TABLE IF NOT EXISTS public.product\_types

(

product\_type\_id serial NOT NULL,

type\_name character varying(50) COLLATE pg\_catalog."default" NOT NULL,

type\_coefficient numeric(10, 2) NOT NULL,

CONSTRAINT product\_types\_pkey PRIMARY KEY (product\_type\_id)

);

ALTER TABLE IF EXISTS public.material\_requirements

ADD CONSTRAINT material\_requirements\_material\_id\_fkey FOREIGN KEY (material\_id)

REFERENCES public.materials (material\_id) MATCH SIMPLE

ON UPDATE NO ACTION

ON DELETE NO ACTION;

ALTER TABLE IF EXISTS public.material\_requirements

ADD CONSTRAINT material\_requirements\_product\_id\_fkey FOREIGN KEY (product\_id)

REFERENCES public.products (product\_id) MATCH SIMPLE

ON UPDATE NO ACTION

ON DELETE NO ACTION;

ALTER TABLE IF EXISTS public.materials

ADD CONSTRAINT materials\_material\_type\_id\_fkey FOREIGN KEY (material\_type\_id)

REFERENCES public.material\_types (material\_type\_id) MATCH SIMPLE

ON UPDATE NO ACTION

ON DELETE NO ACTION;

ALTER TABLE IF EXISTS public.products

ADD CONSTRAINT products\_product\_type\_id\_fkey FOREIGN KEY (product\_type\_id)

REFERENCES public.product\_types (product\_type\_id) MATCH SIMPLE

ON UPDATE NO ACTION

ON DELETE NO ACTION;

END;