CREATE TABLE IF NOT EXISTS "Branch" (

"branch\_id" INTEGER NOT NULL,

"name" varchar(255) NOT NULL,

PRIMARY KEY("branch\_id")

);

CREATE TABLE IF NOT EXISTS "Supplier" (

"supplier\_id" INTEGER NOT NULL,

"supplier\_name" varchar(255) NOT NULL,

"address" varchar(255) NOT NULL,

"email" varchar(255) NOT NULL,

"phone\_number" varchar(255) NOT NULL,

"bank\_account\_number" varchar(255) NOT NULL,

"payment\_kind" integer(10) NOT NULL,

"type" varchar(255) NOT NULL,

PRIMARY KEY("supplier\_id")

);

CREATE TABLE IF NOT EXISTS "contact\_of\_supplier" (

"supplier\_id" INTEGER NOT NULL,

"name" varchar(255) NOT NULL,

PRIMARY KEY("supplier\_id","name"),

FOREIGN KEY("supplier\_id") REFERENCES "Supplier"("supplier\_id")

);

CREATE TABLE IF NOT EXISTS "Category" (

"category\_id" INTEGER NOT NULL,

"branch\_id" INTEGER NOT NULL,

"name" varchar(255) NOT NULL,

"level" integer(10) NOT NULL,

"super\_category\_id" integer(10),

PRIMARY KEY("category\_id","branch\_id"),

FOREIGN KEY("super\_category\_id","branch\_id") REFERENCES "Category"("category\_id","branch\_id")

);

CREATE TABLE IF NOT EXISTS "Contract" (

"contract\_id" integer(10) NOT NULL UNIQUE,

"branch\_id" integer(10) NOT NULL,

"supplier\_id" integer(10) NOT NULL,

PRIMARY KEY("contract\_id","branch\_id","supplier\_id"),

FOREIGN KEY("branch\_id") REFERENCES "Branch"("branch\_id") ,

FOREIGN KEY("supplier\_id") REFERENCES "Supplier"("supplier\_id")

);

CREATE TABLE IF NOT EXISTS "Cost Engineering" (

"contract\_id" integer(10) NOT NULL,

"branch\_id" integer(10) NOT NULL,

"catalog\_id" varchar(255) NOT NULL,

"min\_quantity" integer(10) NOT NULL,

"discount\_price" integer(10) NOT NULL,

PRIMARY KEY("contract\_id","branch\_id","catalog\_id"),

FOREIGN KEY("contract\_id","branch\_id") REFERENCES "Contract"("contract\_id","branch\_id")

);

CREATE TABLE IF NOT EXISTS "GeneralProduct" (

"GPID" integer(10) NOT NULL,

"branch\_id" integer(10) NOT NULL,

"manufacture" varchar(255) NOT NULL,

"name" varchar(255) NOT NULL,

"retail\_price" float(10) NOT NULL,

"quantity" integer(10) NOT NULL,

"min\_quantity" integer(10) NOT NULL,

"sale\_price" integer(10) NOT NULL DEFAULT -1,

"category\_id" integer(10) NOT NULL,

PRIMARY KEY("GPID","branch\_id"),

FOREIGN KEY("branch\_id") REFERENCES "Branch"("branch\_id")

);

CREATE TABLE IF NOT EXISTS "Order" (

"order\_id" INTEGER NOT NULL,

"branch\_id" INTEGER NOT NULL,

"supplier\_id" integer(10) NOT NULL,

"issue\_date" date NOT NULL,

"day\_to\_deliver" INTEGER,

"status" varchar(255) NOT NULL,

"type" varchar(255) NOT NULL,

PRIMARY KEY("order\_id","branch\_id"),

FOREIGN KEY("supplier\_id") REFERENCES "Supplier"("supplier\_id"),

FOREIGN KEY("branch\_id") REFERENCES "Branch"("branch\_id")

);

CREATE TABLE IF NOT EXISTS "Sale" (

"sale\_id" INTEGER NOT NULL,

"type" varchar(255) NOT NULL,

"start" date NOT NULL,

"end" date NOT NULL,

"active" integer(10) NOT NULL,

"branch\_id" integer(10) NOT NULL,

PRIMARY KEY("sale\_id","branch\_id"),

FOREIGN KEY("branch\_id") REFERENCES "Branch"("branch\_id")

);

CREATE TABLE IF NOT EXISTS "SpecificProduct" (

"GPID" integer(10) NOT NULL,

"branch\_id" integer(10) NOT NULL,

"specific\_product\_id" integer(10) NOT NULL UNIQUE,

"location" varchar(255) NOT NULL,

"expiration\_date" date NOT NULL,

"flaw\_flag" integer(10) NOT NULL DEFAULT 0,

PRIMARY KEY("GPID","branch\_id","specific\_product\_id"),

FOREIGN KEY("branch\_id") REFERENCES "Branch"("branch\_id")

);

CREATE TABLE IF NOT EXISTS "IDs" (

"key" INTEGER NOT NULL,

"category\_next\_id" INTEGER NOT NULL,

"product\_next\_id" INTEGER NOT NULL,

"sale\_next\_id" INTEGER NOT NULL,

"contract\_next\_id" INTEGER NOT NULL,

"order\_next\_id" INTEGER NOT NULL,

"branch\_next\_id" INTEGER NOT NULL,

"supplier\_next\_id" INTEGER NOT NULL,

PRIMARY KEY( "key")

);

CREATE TABLE IF NOT EXISTS "categories\_in\_contract" (

"contract\_id" INTEGER NOT NULL,

"branch\_id" INTEGER NOT NULL,

"category" varchar(255) NOT NULL,

PRIMARY KEY("contract\_id","branch\_id","category"),

FOREIGN KEY("contract\_id","branch\_id") REFERENCES "Contract"(" contract\_id","branch\_id")

);

CREATE TABLE IF NOT EXISTS "catalog\_product\_in\_general\_product" (

"GPID" INTEGER NOT NULL,

"branch\_id" INTEGER NOT NULL,

"catalog\_id" INTEGER NOT NULL,

PRIMARY KEY("catalog\_id","GPID","branch\_id"),

FOREIGN KEY("GPID","branch\_id") REFERENCES "GeneralProduct"("GPID","branch\_id"),

FOREIGN KEY("catalog\_id") REFERENCES "CatalogProduct"("catalog\_id")

);

CREATE TABLE IF NOT EXISTS "catalog\_product\_in\_contract" (

"contract\_id" integer(10) NOT NULL,

"branch\_id" integer(10) NOT NULL,

"catalog\_id" integer(10) NOT NULL,

PRIMARY KEY("contract\_id","catalog\_id","branch\_id"),

FOREIGN KEY("contract\_id","branch\_id") REFERENCES "Contract"("contract\_id","branch\_id"),

FOREIGN KEY("catalog\_id") REFERENCES "CatalogProduct"("catalog\_id")

);

CREATE TABLE IF NOT EXISTS "catalog\_products\_in\_order" (

"order\_id" integer(10) NOT NULL,

"catalog\_id" integer(10) NOT NULL,

"GPID" integer(10) NOT NULL,

"branch\_id" integer(10) NOT NULL,

"quantity" integer(10) NOT NULL,

"price" integer(10) NOT NULL,

PRIMARY KEY("order\_id","catalog\_id","GPID","branch\_id"),

FOREIGN KEY("order\_id") REFERENCES "Order"("order\_id"),

FOREIGN KEY("catalog\_id","GPID","branch\_id") REFERENCES "CatalogProduct"("catalog\_id","GPID","branch\_id")

);

CREATE TABLE IF NOT EXISTS "general\_products\_on\_sale" (

"sale\_id" integer(10) NOT NULL,

"GPID" integer(10) NOT NULL,

"branch\_id" integer(10) NOT NULL,

PRIMARY KEY("sale\_id","GPID","branch\_id"),

FOREIGN KEY("sale\_id","branch\_id") REFERENCES "Sale"("sale\_id","branch\_id"),

FOREIGN KEY("GPID","branch\_id") REFERENCES "GeneralProduct"("GPID","branch\_id")

);

CREATE TABLE IF NOT EXISTS "CatalogProduct" (

"catalog\_id" integer(10) NOT NULL,

"GPID" integer(10) NOT NULL,

"branch\_id" integer(10) NOT NULL,

"supplier\_price" float(10) NOT NULL,

"supplier\_id" integer(10) NOT NULL,

"supplier\_category" varchar(255) NOT NULL,

"name" varchar(255) NOT NULL,

PRIMARY KEY("catalog\_id","GPID","branch\_id"),

FOREIGN KEY("GPID","branch\_id") REFERENCES "GeneralProduct"("GPID","branch\_id")

);