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/* Modeling */
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create table category
(Idcategory varchar(5) not null , --c00001
Namecategory varchar(50),
Estado bit not null ,
check (Idcategory like '[c][0-9][0-9][0-9][0-9]'),
unique (Namecategory),
primary key (Idcategory)
)

create table family
(Idfamily varchar(5) not null , --f00001
Namefamily varchar(50),
Estado bit not null ,
check (Idfamily like '[f][0-9][0-9][0-9][0-9]'),
unique (Namefamily),
primary key (Idfamily)
)

create table brand
(Idbrand varchar(5) not null , --b00001
Namebrand varchar(50),
Estado bit not null ,
check (Idbrand like '[b][0-9][0-9][0-9][0-9]'),
unique (Namebrand),
primary key (Idbrand)
)

create table payment
(Idpayment varchar(5) not null , --y00001
Namepayment varchar(50),
Estado bit not null ,
check (Idpayment like '[y][0-9][0-9][0-9][0-9]'),
unique (Namepayment),
primary key (Idpayment)
)

create table customer
(Idcustomer varchar(5) not null , --n00001
Namecustomer varchar(50),
Estado bit not null ,
check (Idcustomer like '[n][0-9][0-9][0-9][0-9]'),
email varchar(50) null,
unique (Namecustomer),
primary key (Idcustomer)
)

create table product
(Idproduct varchar(5) not null , --p00001
Idcategory varchar(5) not null , --c00001
Idbrand varchar(5) not null , --b00001
Idfamily varchar(5) not null , --f00001
Nameproduct varchar(50),
price decimal (10,2) not null,
Estado bit not null ,
check (Idproduct like '[p][0-9][0-9][0-9][0-9]'),
unique (Nameproduct),
primary key (Idproduct),
foreign key (Idcategory) references category(Idcategory),
foreign key (Idbrand) references brand(Idbrand),
foreign key (Idfamily) references family(Idfamily),)
```

```

create table invoice
(Idinvoice varchar(5) not null , --i00001
Idpayment varchar(5) not null , --y00001
Idcustomer varchar(5) not null , --n00001
check (Idinvoice like '[i][0-9][0-9][0-9][0-9]'),
primary key (Idinvoice),
foreign key (Idpayment) references payment(Idpayment),
foreign key (Idcustomer) references customer(Idcustomer),
)

```

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create table detail
(Iddetail varchar(5) not null , --d00001
Idinvoice varchar(5) not null , --i00001
Idproduct varchar(5) not null , --p00001
price decimal(10,2) not null,
cant int not null,
check (Iddetail like '[d][0-9][0-9][0-9][0-9]'),
primary key (Iddetail),
foreign key (Idinvoice) references invoice(Idinvoice),
foreign key (Idproduct) references product(Idproduct),
)

```

```

insert into category values ('c0001','category1',1);
insert into category values ('c0002','category2',1);
insert into category values ('c0003','category3',1)

```

```

insert into family values ('f0001','familia1',1);
insert into family values ('f0002','familia2',1);
insert into family values ('f0003','familia3',1)

```

```

insert into brand values ('b0001','brand1',1);
insert into brand values ('b0002','brand2',1);
insert into brand values ('b0003','brand3',1)

```

```

insert into payment values ('y0001','payment1',1);
insert into payment values ('y0002','payment2',1);
insert into payment values ('y0003','payment3',1)

```

```

insert into customer values ('n0001','customer1',1,'email1');
insert into customer values ('n0002','customer2',1,'email2');
insert into customer values ('n0003','customer3',1,'email3')

```

```

insert into product values
('p0001','c0001','b0001','f0001','Nomproduct1','100',1);
insert into product values
('p0002','c0002','b0002','f0002','Nomproduct2','200',1);
insert into product values
('p0003','c0003','b0003','f0003','Nomproduct3','300',1)

```

```

insert into invoice values ('i0001','y0001','n0001');
insert into invoice values ('i0002','y0002','n0002');
insert into invoice values ('i0003','y0003','n0003')

```

```

insert into detail values ('d0001','i0001','p0001','200','5');
insert into detail values ('d0002','i0002','p0002','200','5');
insert into detail values ('d0003','i0003','p0003','200','5')

```

