SQL EXERCISE-1

DTA TRAINING

Creating Schema Tables and establishing relationships

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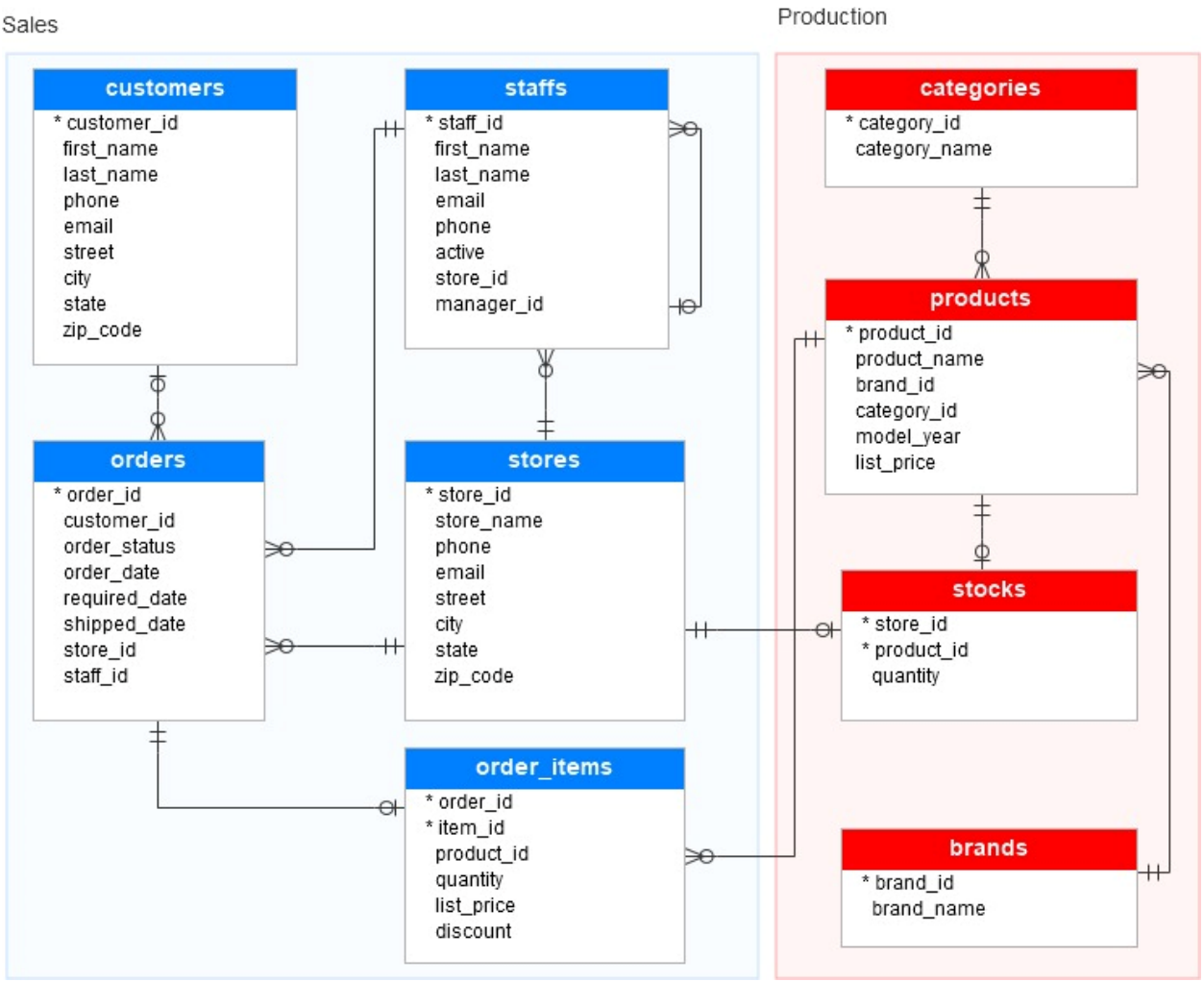
Question Diagram



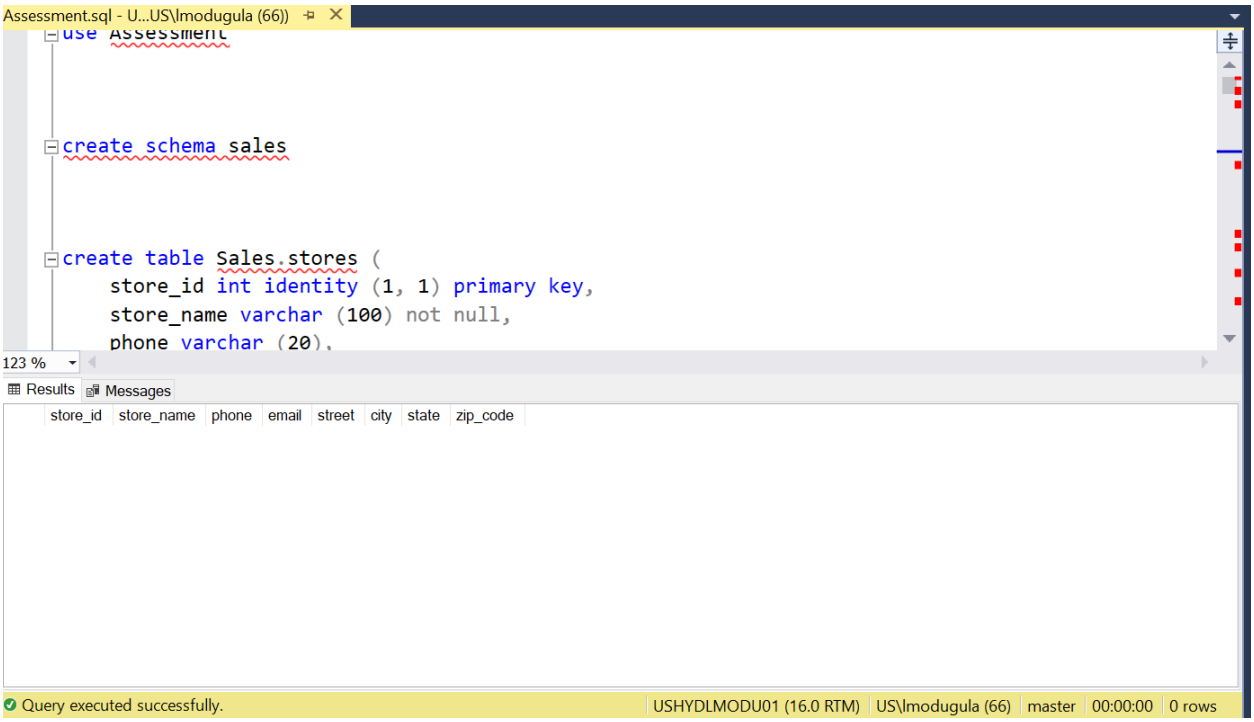
Code written

use Assessment

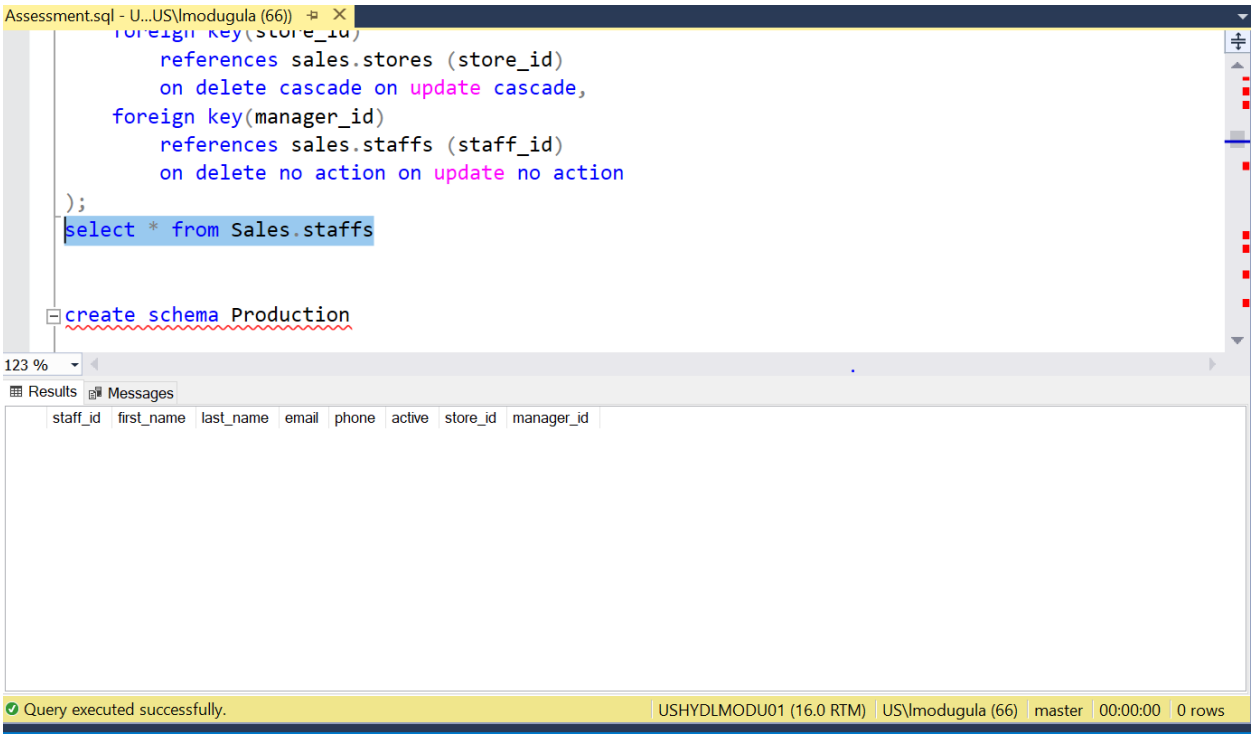
```
create schema sales
```

```
create table Sales.stores (
        store_id int identity (1, 1) primary key,
        store_name varchar (100) not null,
        phone varchar (20),
        email varchar (2),
        street varchar (100),
        city varchar (50),
        state varchar (10),
        zip_code varchar (10)
);
```

```
select * from sales.stores
```

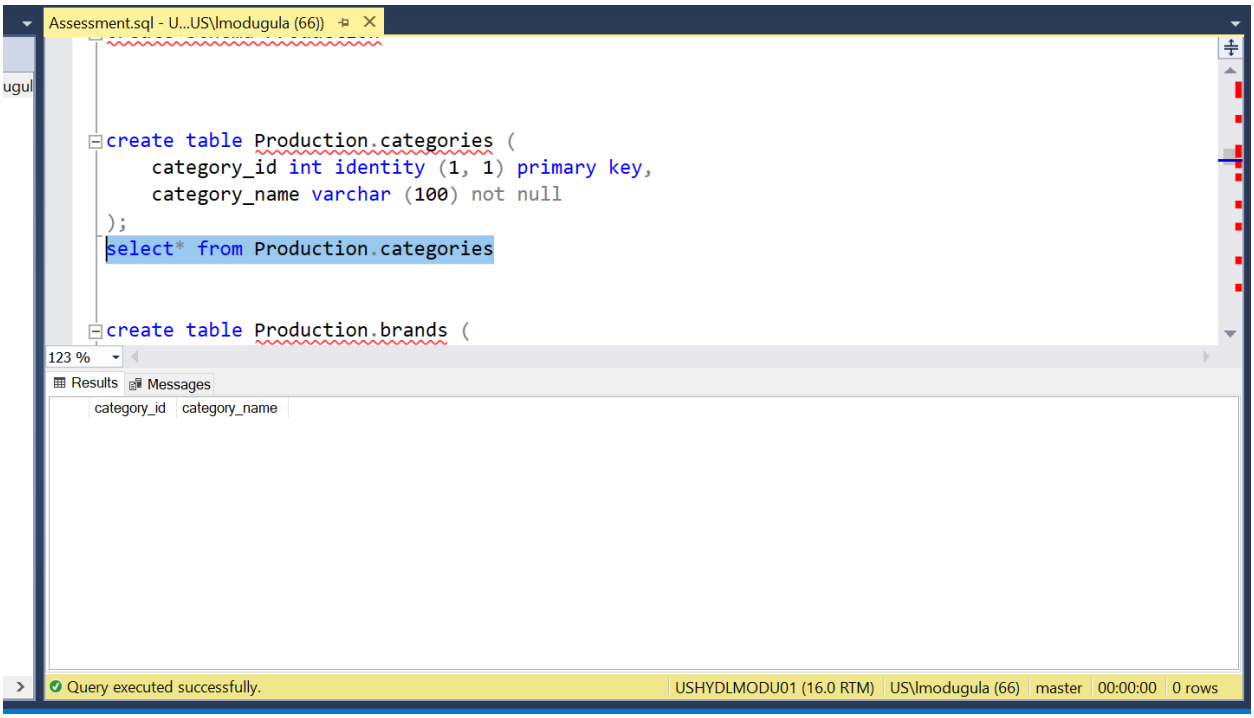


```
create table Sales.staffs (
        staff_id int identity (1, 1) primary key,
        first_name varchar (50) not null,
        last_name varchar (50) not null,
        email varchar (255) not null unique,
        phone varchar (25) unique,
        active tinyint not null,
        store_id int not null,
        manager_id int,
        foreign key(store_id)
      references sales.stores (store_id)
      on delete cascade on update cascade,
        foreign key(manager_id)
      references sales.staffs (staff_id)
      on delete no action on update no action
);
select * from Sales.staffs
```

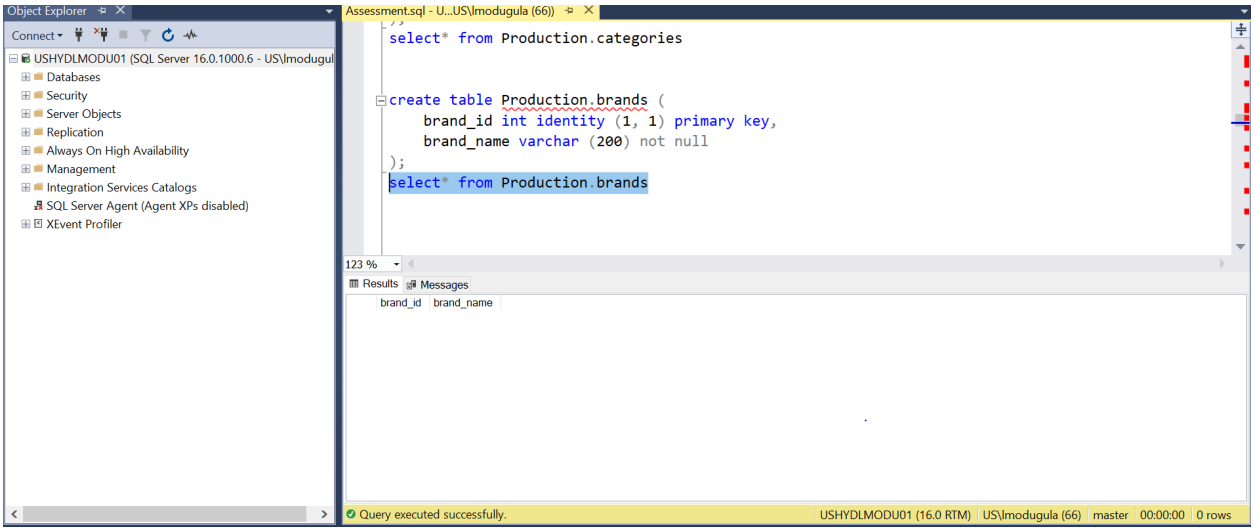



```
create schema Production
```

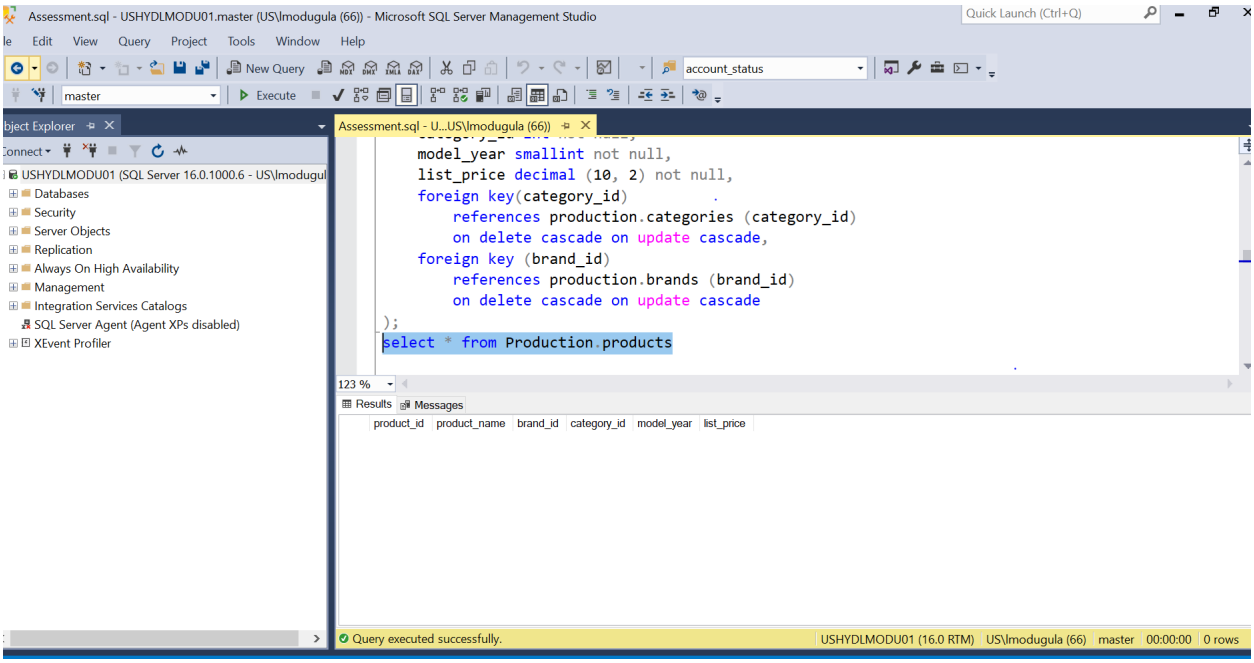
```
create table Production.categories (
	category_id int identity (1, 1) primary key,
	category_name varchar (100) not null
);
select* from Production.categories
```



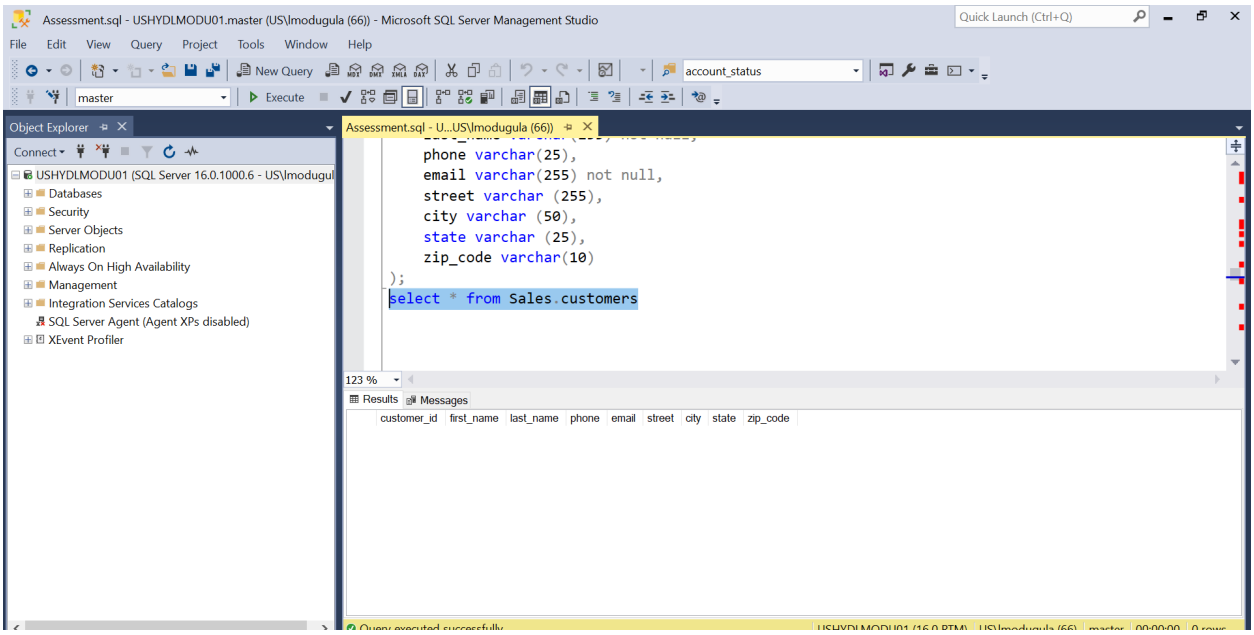

```
create table Production.brands (
	brand_id int identity (1, 1) primary key,
	brand_name varchar (200) not null
);
select* from Production.brands
```



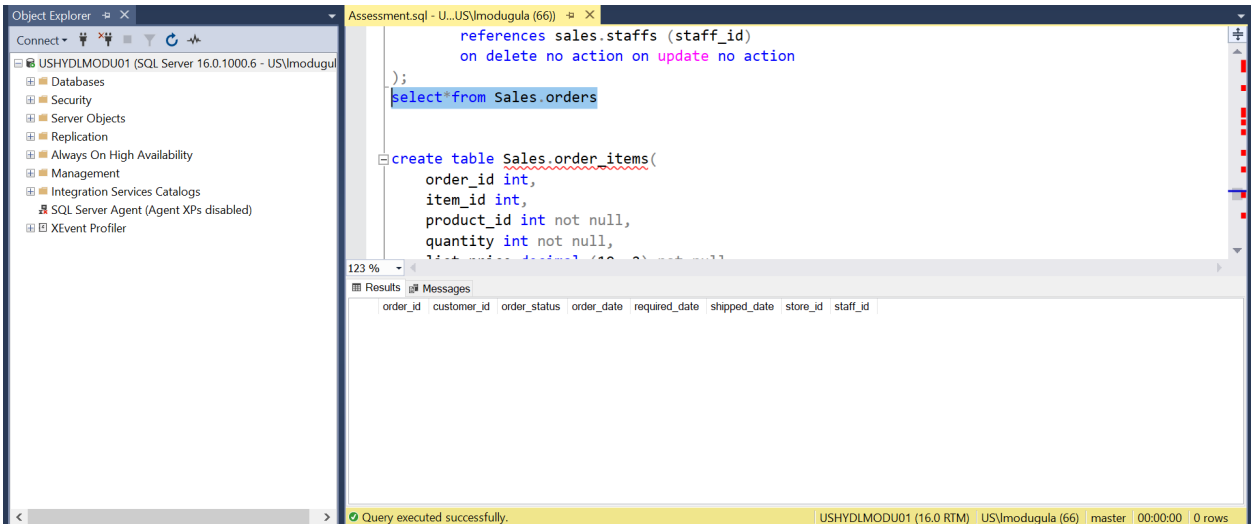

```
create table Production.products (
        product_id int identity (1, 1) primary key,
        product_name varchar (255) not null,
        brand_id int not null,
        category_id int not null,
        model_year smallint not null,
        list_price decimal (10, 2) not null,
        foreign key(category_id)
      references production.categories (category_id)
      on delete cascade on update cascade,
        foreign key (brand_id)
      references production.brands (brand_id)
      on delete cascade on update cascade
);
select * from Production.products
```



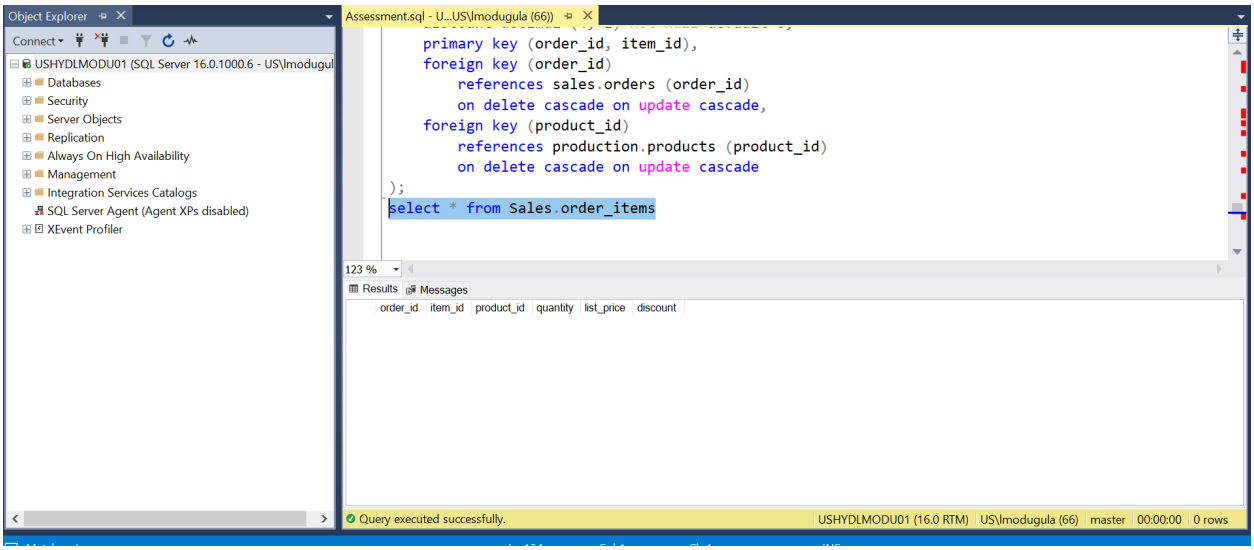

```
create table Sales.customers (
        customer_id int identity (1, 1) primary key,
        first_name varchar(255) not null,
        last_name varchar(255) not null,
        phone varchar(25),
        email varchar(255) not null,
        street varchar (255),
        city varchar (50),
        state varchar (25),
        zip_code varchar(10)
);
select * from Sales.customers
```



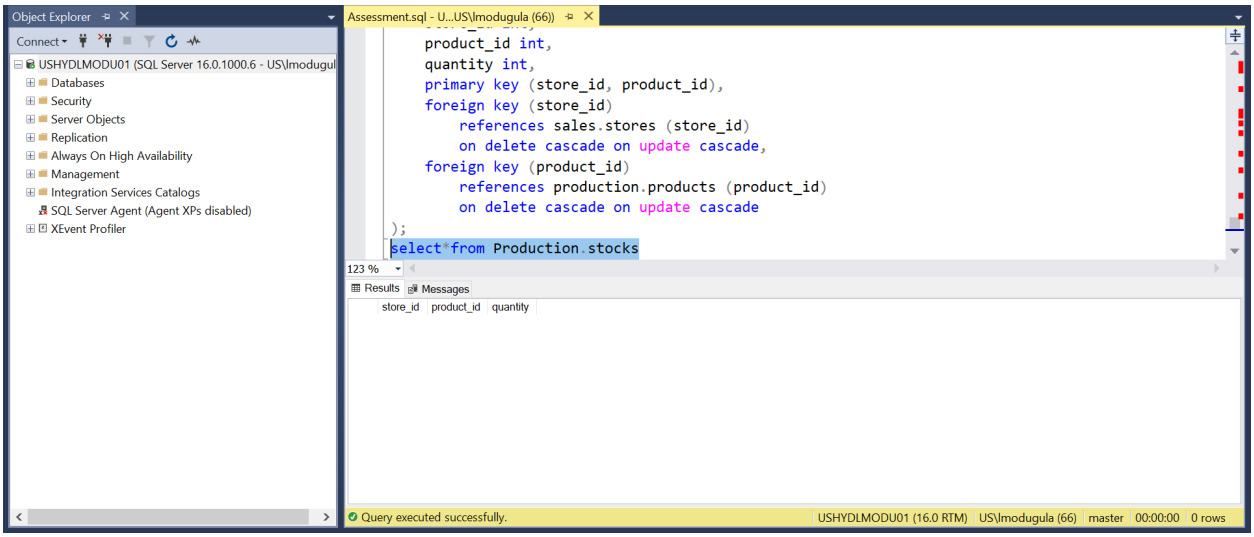

```
create table Sales.orders (
        order_id int identity (1, 1) primary key,
        customer_id int,
        order_status int not null,
        order_date date not null,
        required_date date not null,
        shipped_date date,
        store_id int not null,
        staff_id int not null,
        foreign key(customer_id)
      references sales.customers (customer_id)
      on delete cascade on update cascade,
        foreign key(store_id)
      references sales.stores (store_id)
      on delete cascade on update cascade,
        foreign key (staff_id)
      references sales.staffs (staff_id)
      on delete no action on update no action
);
select*from Sales.orders
```




```
create table Sales.order_items(
        order_id int,
        item_id int,
        product_id int not null,
        quantity int not null,
        list_price decimal (10, 2) not null,
        discount decimal (4, 2) not null default 0,
        primary key (order_id, item_id),
        foreign key (order_id)
      references sales.orders (order_id)
      on delete cascade on update cascade,
        foreign key (product_id)
      references production.products (product_id)
      on delete cascade on update cascade
);
select * from Sales.order_items
```




```
create table Production.stocks (
        store_id int,
        product_id int,
        quantity int,
        primary key (store_id, product_id),
        foreign key (store_id)
      references sales.stores (store_id)
      on delete cascade on update cascade,
        foreign key (product_id)
      references production.products (product_id)
      on delete cascade on update cascade
);
select*from Production.stocks
```


Object Explorer
Connect
USHYDLMODU01 (SQL Server 16.0.1000.6 - US\lmodugul
Databases
Security
Server Objects
Replication
Always On High Availability
Management
Integration Services Catalogs
SQL Server Agent (Agent XPs disabled)
XEvent Profiler
Assessment.sql - U...US\lmodugula (66))
product_id int,
quantity int,
primary key (store_id, product_id),
foreign key (store_id)
references sales.stores (store_id)
on delete cascade on update cascade,
foreign key (product_id)
references production.products (product_id)
on delete cascade on update cascade
);
select*from Production.stocks
123 %
Results
Messages
store_id
product_id
quantity
Query executed successfully.
USHYDLMODU01 (16.0 RTM)
US\lmodugula (66)
master
00:00:00
0 rows