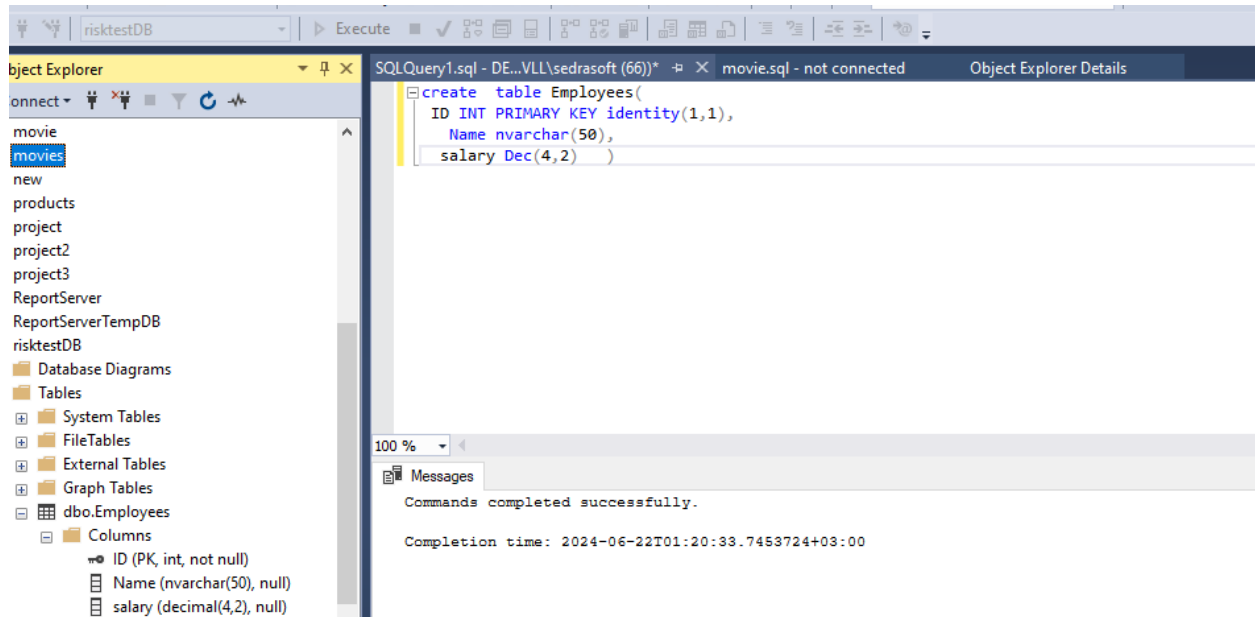
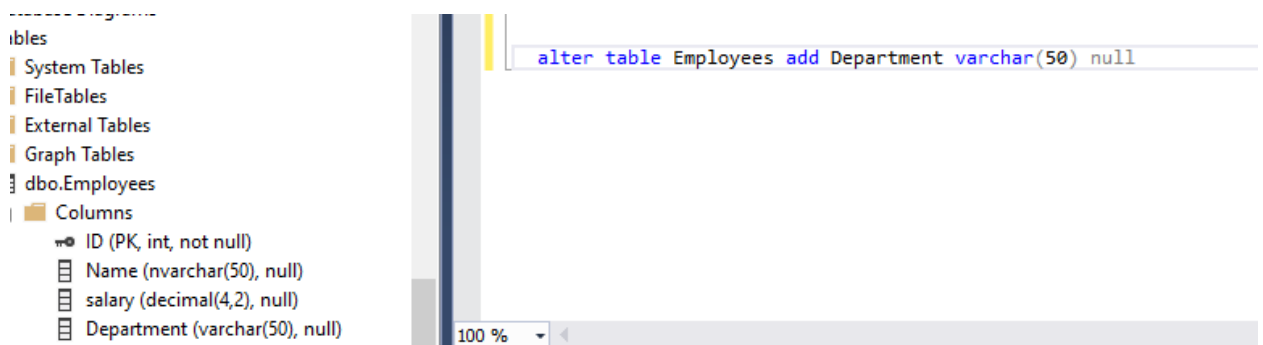


## Data Definition Questions: (using SQL NOT GUI)

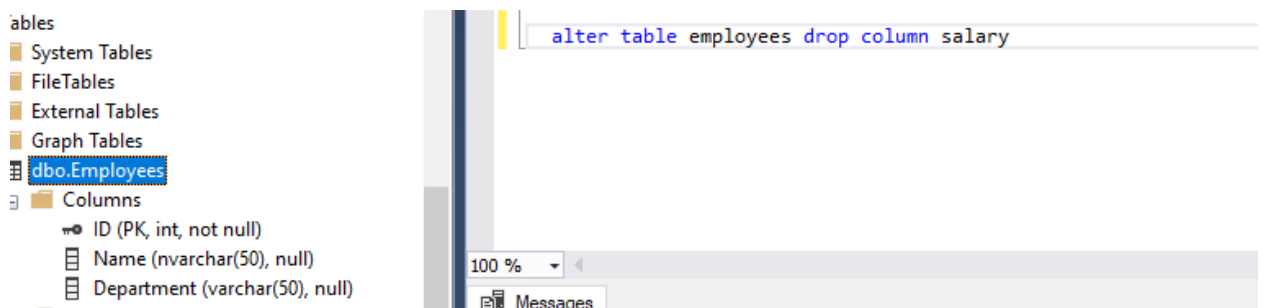
1. Create a table named "Employees" with columns for ID (integer), Name (varchar), and Salary (decimal).



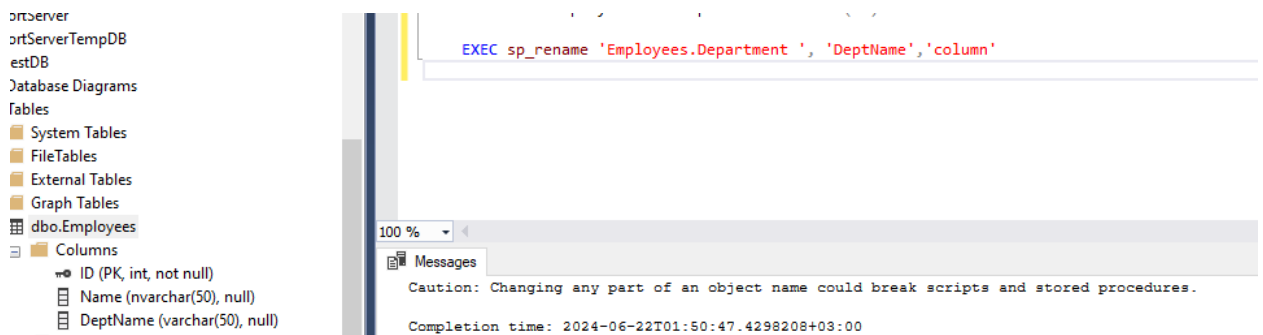
2. Add a new column named "Department" to the "Employees" table with data type varchar(50).



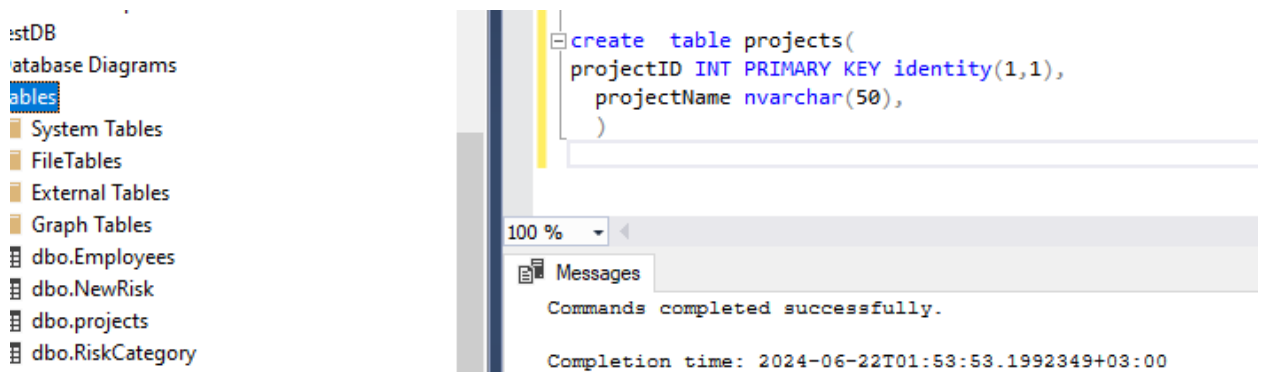
3. Remove the "Salary" column from the "Employees" table.



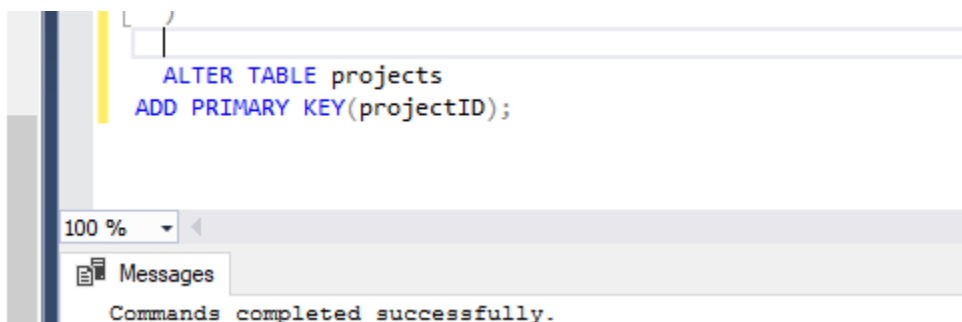
4. Rename the "Department" column in the "Employees" table to "DeptName".



5. Create a new table called "Projects" with columns for ProjectID (integer) and ProjectName (varchar).



6. Add a primary key constraint to the "Employees" table for the "ID" column.



7. Add a unique constraint to the "Name" column in the "Employees" table.

```
ALTER TABLE Employees
ADD CONSTRAINT unique_name UNIQUE(Name);
```

100 %

Messages

Commands completed successfully.

Completion time: 2024-06-22T01:59:43.8511768+03:00

8. Create a table named "Customers" with columns for CustomerID (integer), FirstName (varchar), LastName (varchar), and Email (varchar), and Status (varchar).

Item Tables  
Tables  
Internal Tables  
Temp Tables  
Customers  
Columns

customerID (PK, int, not null)  
FirstName (nvarchar(50), null)  
LastName (nvarchar(50), null)  
email (nvarchar(20), null)  
status (nvarchar(10), null)

```
create table customers(
customerID INT PRIMARY KEY identity(1,1),
FirstName nvarchar(50),
LastName nvarchar(50),
email nvarchar(20),
status nvarchar(10)
)
```

9. Add a unique constraint to the combination of "FirstName" and "LastName" columns in the "Customers" table.

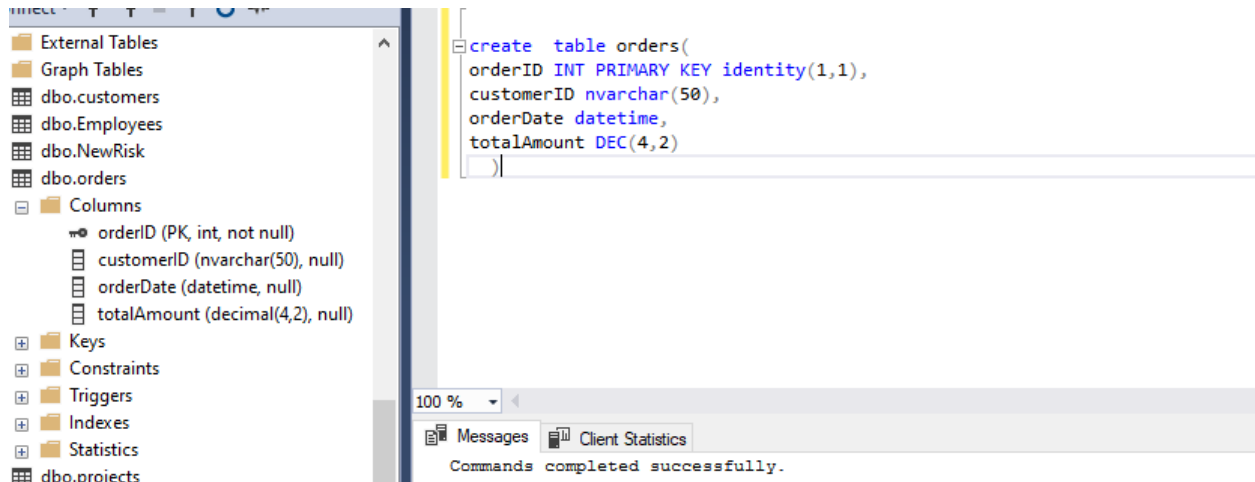
```
ALTER TABLE customers
ADD CONSTRAINT unique_names UNIQUE(FirstName,LastName);
```

100 %

Messages Client Statistics

Commands completed successfully.

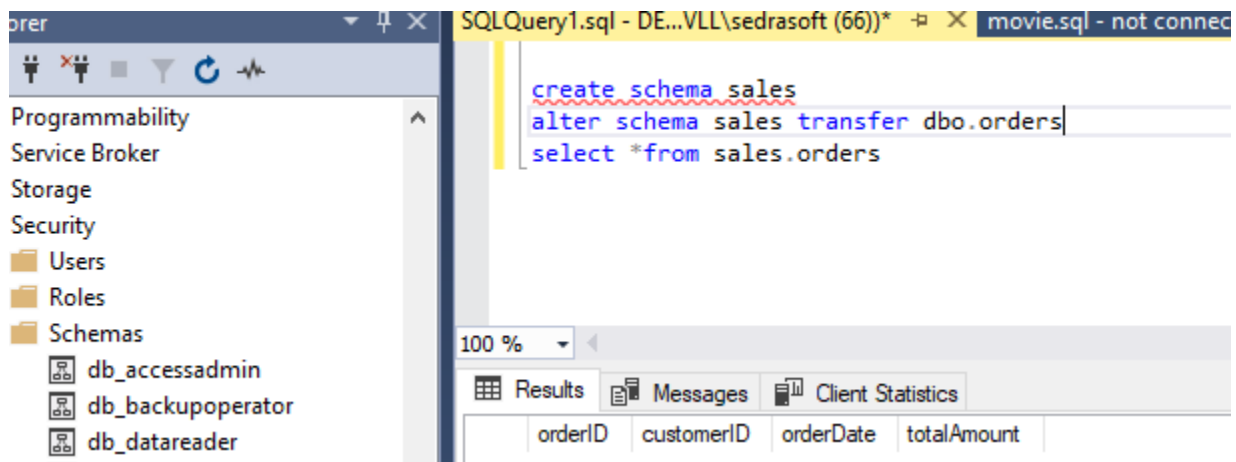
10. Create a table named "Orders" with columns for OrderID (integer), CustomerID (integer), OrderDate (datetime), and TotalAmount (decimal).



11. Add a check constraint to the "TotalAmount" column in the "Orders" table to ensure that it is greater than zero.

```
ALTER TABLE orders
ADD CONSTRAINT check_amount check(totalAmount>0 );
```

12. Create a schema named "Sales" and move the "Orders" table into this schema.



13. Rename the "Orders" table to "SalesOrders"

