SQL ASSIGNMENT 1

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Task: 1. Insert a new record in your Orders table.

Code:

```
Insert into Orders Values
(5005,8530,103,'2024-02-03',3000)
Select * from Orders
```

Result:

```
Insert into Orders Values (5005,8530,103,'2024-02-03',3000)
Select * from Orders
```

99 %

Results | Messages

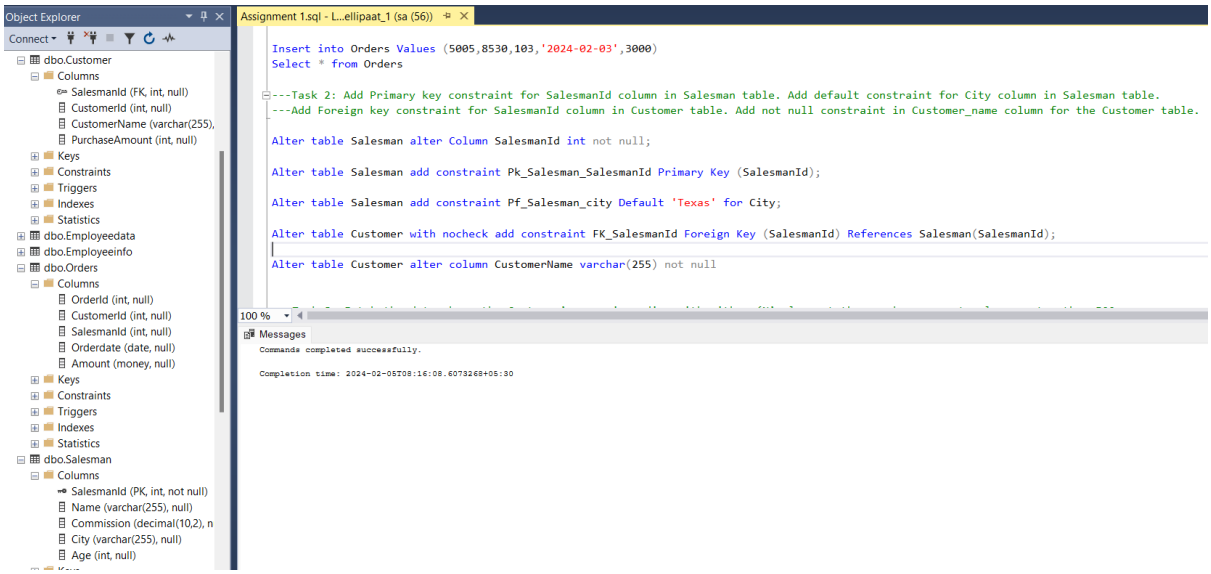
	OrderId	CustomerId	SalesmanId	Orderdate	Amount
1	5001	2345	101	2021-07-01	550.00
2	5003	1234	105	2022-02-15	1500.00
3	5005	8530	103	2024-02-03	3000.00

Task: 2. Add Primary key constraint for SalesmanId column in Salesman table. Add default constraint for City column in Salesman table. Add Foreign key constraint for SalesmanId column in Customer table. Add not null constraint in Customer_name column for the Customer table.

Code:

```
Alter table Salesman alter Column SalesmanId
int not null;

Alter table Salesman add constraint
Pk_Salesman_SalesmanId Primary Key
(SalesmanId);

Alter table Salesman add constraint
Pf_Salesman_city Default 'Texas' for City;

Alter table Customer with nocheck add
constraint FK_SalesmanId Foreign Key
(SalesmanId) References Salesman(SalesmanId);

Alter table Customer alter column
CustomerName varchar(255) not null
```

Results:



Task: 3. Fetch the data where the Customer's name is ending with 'N' also get the purchase amount value greater than 500.

Code:

```
Select * from Customer where CustomerName
like '%N' and PurchaseAmount>500
```

Result:

```
---Task 3: Fetch the data where the Customer's name is ending with either 'N' also ge

Select * from Customer where CustomerName like '%N' and PurchaseAmount>500

---Task 4: Using SET operators, retrieve the first result with unique SalesmanId valu
```

esults | Messages

SalesmanId	CustomerId	CustomerName	PurchaseAmount

Task: 4. Using SET operators, retrieve the first result with unique SalesmanId values from two tables, and the other result containing SalesmanId without duplicates from two tables.

Code:

```
Select Top 1 SalesmanId from (Select
SalesmanId from Salesman
Union select SalesmanId from Customer) as Cs;

Select SalesmanId from Salesman
Union select SalesmanId from Customer;
```

Result:

```
---Task 4: Using SET operators, retrieve the first result with uni
--and the other result containing SalesmanId without duplicates fr

Select Top 1 SalesmanId from (Select SalesmanId from Salesman
Union select SalesmanId from Customer) as Cs;

Select SalesmanId from Salesman
Union select SalesmanId from Customer;

---Task 5:Display the below columns which has the matching data. O
```

Results | Messages

SalesmanId
101

SalesmanId
101
102
103
104
105
107
110

Task: 5. Display the below columns which has the matching data. Orderdate, Salesman Name, Customer Name, Commission, and City which has the range of Purchase Amount between 1500 to 3000.

Code:

```
Select o.Orderdate, s.Name as SalesmanName,
c.CustomerName, s.Commission, s.city
from Orders o
join Salesman s on o.SalesmanId=s.SalesmanId
join Customer c on o.CustomerId=c.CustomerId
Where o.Amount between 1500 and 3000
```

Result:

```
Select o.Orderdate, s.Name as SalesmanName, c.CustomerName, s.Commission, s.city
from Orders o
join Salesman s on o.SalesmanId=s.SalesmanId
join Customer c on o.CustomerId=c.CustomerId
Where o.Amount between 1500 and 3000

---Task 6: Using right join fetch all the results from Salesman and Orders table

Select * from Salesman
```

esults | Messages

Orderdate	SalesmanName	CustomerName	Commission	city

Task: 6. Using right join fetch all the results from Salesman and Orders table

Code:

```
Select * from Salesman
Right join Orders on
Salesman.SalesmanId=Orders.SalesmanId;
```

Result:

```
---Task 6: Using right join fetch all the results from Salesman and Orders table

Select * from Salesman
Right join Orders on Salesman.SalesmanId=Orders.SalesmanId;
```

100 %

Results | Messages

	SalesmanId	Name	Commission	City	Age	OrderId	CustomerId	SalesmanId	Orderdate	Amount
1	101	Joe	50.00	California	17	5001	2345	101	2021-07-01	550.00
2	105	Lia	65.00	New Jersey	30	5003	1234	105	2022-02-15	1500.00
3	103	Jessie	105.00	Florida	35	5005	8530	103	2024-02-03	3000.00