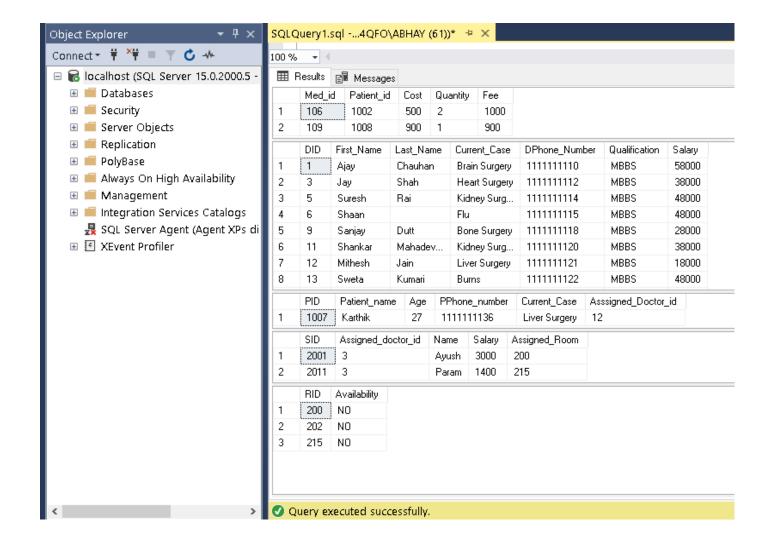
Abhay.N.Rao

19BCS002

DBMS Lab Assignment 4

Q1) Write 5 Nested Queries for your respective database- the queries should not be very similar like just changing the where clause or just building all the queries on only one or two tables etc. The queries should make sense; it should cover most part of your database tables.

```
SELECT * from medicine
where Patient id IN(SELECT PID from Patient
where Current Case='Kidney Surgery');
SELECT * from Doctor
where DID IN(SELECT Assigned_doctor_id from staff
where Assigned_Room IN(SELECT RID from room
where Availability='NO'));
SELECT * from Patient
where Current Case IN(SELECT Current Case from Doctor
where DID IN(SELECT Assigned doctor id from staff
where Name='Krishna'));
SELECT * from staff
where Assigned doctor id IN(SELECT DID from Doctor
where Current Case IN(SELECT Current Case from Patient
where PID=1001));
SELECT * from room
where RID IN(SELECT Assigned Room from staff
where Assigned_doctor_id IN(SELECT DID from Doctor
where Salary between 30000 and 40000));
```

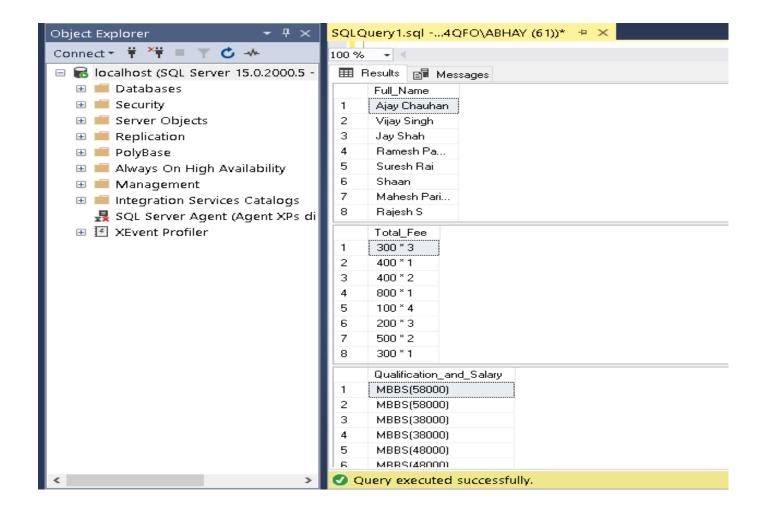


Q2) Illustrate how we can use Concat and As operators in SQL.

```
SELECT CONCAT(First_Name,' ',Last_Name) AS Full_Name from
Doctor

SELECT CONCAT(Cost,' * ',Quantity) AS Total_Fee from
medicine

SELECT CONCAT(Qualification,'(',Salary,')') AS
Qualification_and_Salary from Doctor
```



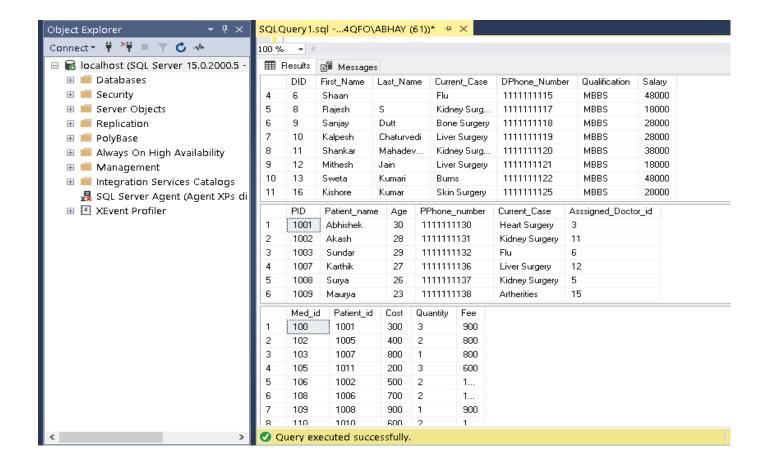
Q3) Illustrate all the Comparison operator.

```
SELECT * from Doctor where Salary <= 53000;
SELECT * from Patient where Age <= 30;

SELECT * from medicine where Fee >= 500;
SELECT * from staff where Salary >= 1500;

SELECT * from room where Availability = 'YES';
SELECT * from Patient where Asssigned_Doctor_id = 9;

SELECT * from medicine where Quantity != 1;
SELECT * from room where Availability != 'YES';
```



Q4) Illustrate Logical operators except ANY, ALL and Like.

```
SELECT * from Doctor where Current_Case IN('Kidney
Surgery', 'Liver Surgery');
SELECT * from staff where Assigned_doctor_id IN(1, 3, 5);

SELECT * from Patient where Current_Case NOT IN('Kidney
Surgery', 'Liver Surgery', 'Flu', 'Burns');
SELECT * from medicine where Quantity NOT IN(3, 4);

SELECT * from Doctor where Salary between 20000 and 50000;
SELECT * from staff where Assigned_Room between 206 and
212;

SELECT * from Doctor where Current_Case = 'Flu' or
Current_Case = 'Burns';
SELECT * from room where RID = 205 or RID = 210;
```

