DBMS Lab Assignment 3

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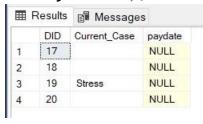
1. Write 5 Nested Queries for your respective database- the queries should not be very similar like just changing the where clause or just building all the queries on only one or two tables etc. The queries should make sense, it should cover most part of your database tables.



(Select DID from FEE where DID>15 or Current_Case='Bird flu');

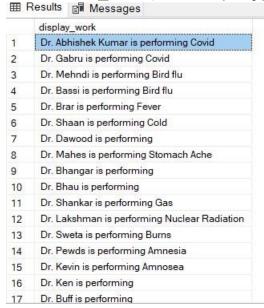
⊞ Results		Messages				
	DID	Doctor_Name	Current_Case	DPhone_Number	Qualification	Salary
1	3	Mehndi	Bird flu	1111111113	Flu Expert	38000
2	4	Bassi	Bird flu	1111111114	Bird Watcher	38000
3	16	Ken		1111111125	Stramer	28000
4	17	Buff		1111111126	Flu Expert	38000
5	18	Kalki		1111111127	Neurologist	38000
6	19	Reva	Stress	1111111128	Psychologist	38000
7	20	Mercedes		1111111129	Enterprenaur	38000

Use T8_Hospital_Database
Select * from FEE where DID IN
(Select DID from Doctor where DID>15 and
Salary>30000);

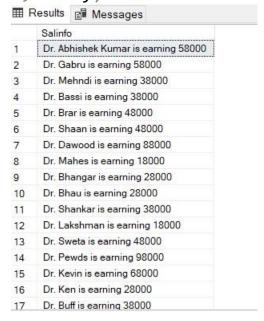


2. Illustrate how we can use CONCAT and AS operators in SQL (minimum 3 queries)

Use T8_Hospital_Database
SELECT CONCAT('Dr. ',Doctor_Name, ' is performing
',Current_Case)AS display_work FROM Doctor;



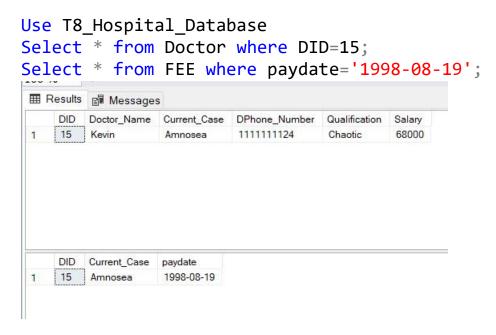
Use T8_Hospital_Database
SELECT CONCAT('Dr. ',Doctor_Name, ' is earning
',Salary)AS Salinfo FROM Doctor;

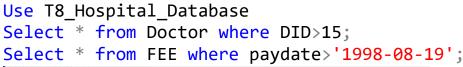


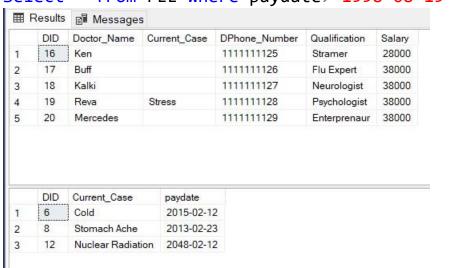
Use T8_Hospital_Database
SELECT CONCAT('Operation conducted under ',(SELECT
Doctor_Name FROM Doctor WHERE Current_Case!=NULL), '
is to be paid by ',paydate)AS Salinfo FROM FEE;

■ Results ■ Messages Salinfo Operation conducted under is to be paid by Operation conducted under is to be paid by 2 Operation conducted under is to be paid by 3 Operation conducted under is to be paid by 5 Operation conducted under is to be paid by Operation conducted under is to be paid by 2015-... 6 Operation conducted under is to be paid by Operation conducted under is to be paid by 2013-... Operation conducted under is to be paid by Operation conducted under is to be paid by 10 Operation conducted under is to be paid by 11 Operation conducted under is to be paid by 2048-... 12 13 Operation conducted under is to be paid by Operation conducted under is to be paid by

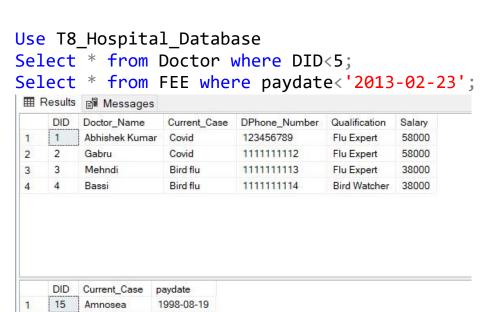
3. Illustrate all the Comparison operator (2 queries for each operator)







```
Use T8 Hospital Database
Select * from Doctor where DID>=15;
Select * from FEE where paydate>='1998-08-19';
 Results Messages
      DID
           Doctor_Name
                       Current_Case
                                  DPhone_Number Qualification
                                                             Salary
     15
                                   1111111124
                                                  Chaotic
                                                             68000
           Kevin
                       Amnosea
 1
                                                             28000
 2
      16
                                   1111111125
                                                  Stramer
           Ken
 3
      17
           Buff
                                   11111111126
                                                  Flu Expert
                                                             38000
                                                             38000
 4
      18
           Kalki
                                   1111111127
                                                  Neurologist
 5
      19
                       Stress
                                                             38000
           Reva
                                   1111111128
                                                  Psychologist
                                                             38000
 6
      20
           Mercedes
                                   1111111129
                                                  Enterprenaur
      DID
           Current_Case
                         paydate
     6
           Cold
                          2015-02-12
 2
           Stomach Ache
                          2013-02-23
 3
      12
           Nuclear Radiation 2048-02-12
                          1998-08-19
 4
      15
           Amnosea
```



Use T8 Hospital Database Select * from Doctor where DID<=5;</pre> Select * from FEE where paydate<='2013-02-23';</pre> DID Doctor_Name Current_Case DPhone_Number Qualification Salary Flu Expert 58000 1 Abhishek Kumar Covid 123456789 58000 2 2 Gabru Covid 11111111112 Flu Expert 3 3 Mehndi Bird flu 1111111113 Flu Expert 38000 38000 4 Bassi Bird flu 11111111114 Bird Watcher Fever 48000 Brar 1111111115 Cook

	DID	Current_Case	paydate
1	8	Stomach Ache	2013-02-23
2	15	Amnosea	1998-08-19

Use T8_Hospital_Database Select * from Doctor where DID<>15; Select * from FEE where paydate<>'2048-02-12';

III F	Results	Messages				
	DID	Doctor_Name	Current_Case	DPhone_Number	Qualification	Salary
10	10	Bhau		1111111120	Brother	28000
11	11	Shankar	Gas	1111111121	Tribal	38000
12	12	Lakshman	Nuclear Radiation	1111111130	Medical	18000
13	13	Sweta	Burns	1111111122	Call Center	48000
14	14	Pewds	Amnesia	1111111123	Gamer	98000
15	16	Ken		1111111125	Stramer	28000
16	17	Buff		1111111126	Flu Expert	38000
17	18	Kalki		1111111127	Neurologist	38000
18	19	Reva	Stress	1111111128	Psychologist	38000
19	20	Mercedes		1111111129	Enterprena	38000
	DID	Current_Case	paydate			
1	6	Cold	2015-02-12			

	DID	Current_Case	paydate
1	6	Cold	2015-02-12
2	8	Stomach Ache	2013-02-23
3	15	Amnosea	1998-08-19

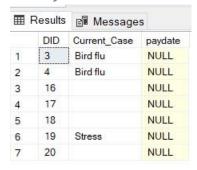
4. Illustrate Logical operators except ANY, ALL and LIKE (2 queries for each operator)

OR Operator

```
Use T8_Hospital_Database
Select * from Doctor where DID IN
(Select DID from FEE where DID>15 or
Current Case='Bird flu');
```



Use T8_Hospital_Database
Select * from FEE where DID>15 or Current_Case='Bird
flu';

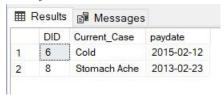


AND Operator

Use T8_Hospital_Database
Select * from FEE where DID IN
(Select DID from Doctor where DID>15 and
Salary>30000);

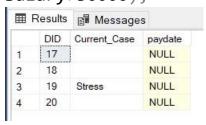


Use T8_Hospital_Database
Select * from FEE where DID<15 and paydate<='2015-0212';</pre>



IN Operator

Use T8_Hospital_Database
Select * from FEE where DID IN
(Select DID from Doctor where DID>15 and
Salary>30000);



Use T8_Hospital_Database
Select Doctor_Name from Doctor where DID IN
(Select DID from FEE where DID>15);

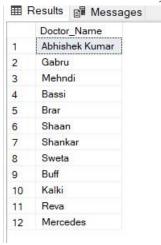


BETWEEN Operator

Use T8_Hospital_Database
Select Doctor_Name from Doctor where DID BETWEEN 1
AND 5

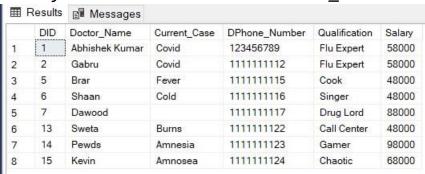


Use T8_Hospital_Database
Select Doctor_Name from Doctor where Salary BETWEEN
30000 AND 60000;



SOME Operator

Use T8_Hospital_Database
SELECT * FROM Doctor where Salary > SOME(SELECT
Salary FROM Doctor where Current Case='Bird Flu');



Use T8_Hospital_Database
SELECT DOctor_Name FROM Doctor where DID =
SOME(SELECT DID FROM FEE where Qualification='Flu
Expert');

