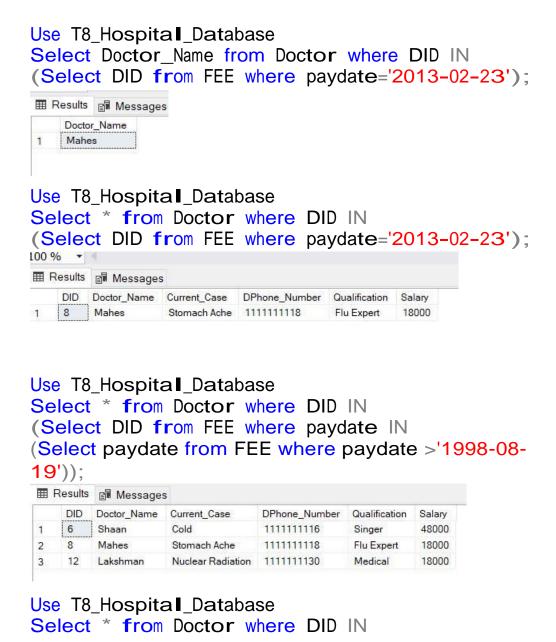
### **DBMS Lab Assignment**

Mahesh Parihar (19BCS066)

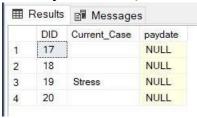
1. Write 5 Nested Queries for your respective database- the queries should not be very similar like just changing the where clause or just building all the queries on only one or two tables etc. The queries should make sense, it should cover most part of your database tables.



## (Select DID from FEE where DID>15 or Current\_Case='Bird flu');

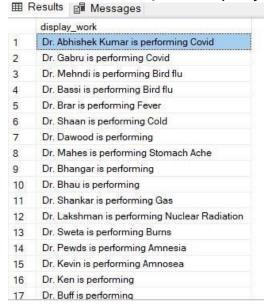


Use T8\_Hospita I\_Database
Select \* from FEE where DID IN
(Select DID from Doctor where DID>15 and
Salary>30000);

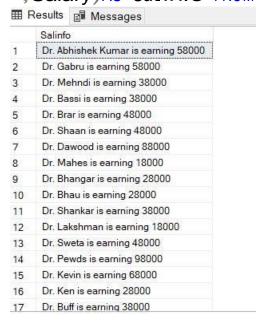


2. Illustrate how we can use CONCAT and AS operators in SQL (minimum 3 queries)

Use T8\_Hospita I\_Database
SELECT CONCAT('Dr. ', Doctor\_Name, ' is performing
', Current\_Case) AS display\_work FROM Doctor;

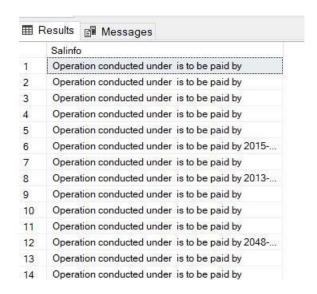


# Use T8\_Hospita I\_Database SELECT CONCAT('Dr. ',Doctor\_Name, ' is earning ',Salary)AS Salinfo FROM Doctor;



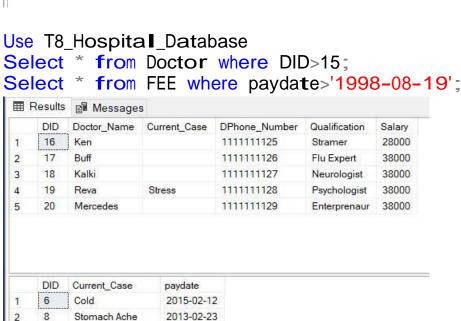
#### Use T8\_HospitaI\_Database

SELECT CONCAT('Operation conducted under ',(SELECT Doctor\_Name FROM Doctor WHERE Current\_Case!=NULL), 'is to be paid by ',paydate)AS Salinfo FROM FEE;



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





Nuclear Radiation 2048-02-12

Use T8\_Hospita I\_Database

Select \* from Doctor where DID>=15;

Select \* from FEE where paydate>='1998-08-19';

	DID	Doctor_Name	Current_Case	DPhone_Number	Qualification	Salary
1	15	Kevin	Amnosea	1111111124	Chaotic	68000
2	16	Ken		1111111125	Stramer	28000
3	17	Buff		1111111126	Flu Expert	38000
4	18	Kalki		1111111127	Neurologist	38000
5	19	Reva	Stress	1111111128	Psychologist	38000
6	20	Mercedes		1111111129	Enterprenaur	38000

	DID	Current_Case	paydate
1	6	Cold	2015-02-12
2	8	Stomach Ache	2013-02-23
3	12	Nuclear Radiation	2048-02-12
4	15	Amnosea	1998-08-19

### Use T8\_Hospita I\_Database

Select \* from Doctor where DID<5; Select \* from FEE where paydate<'2013-02-23';

	Results	Messages				
	DID	Doctor_Name	Current_Case	DPhone_Number	Qualification	Salary
1	1	Abhishek Kumar	Covid	123456789	Flu Expert	58000
2	2	Gabru	Covid	11111111112	Flu Expert	58000
3	3	Mehndi	Bird flu	11111111113	Flu Expert	38000
4	4	Bassi	Bird flu	11111111114	Bird Watcher	38000
	DID	Current_Case p	paydate			

#### Use T8\_Hospita I\_Database

Select \* from Doctor where DID<=5; Select \* from FEE where paydate<='2013-02-23';

⊞ Results		Messages					
	DID	Doctor_Name	Current_Case	DPhone_Number	Qualification	Salary	
1	1	Abhishek Kumar	Covid	123456789	Flu Expert	58000	
2	2	Gabru	Covid	11111111112	Flu Expert	58000	
3	3	Mehndi	Bird flu	1111111113	Flu Expert	38000	
4	4	Bassi	Bird flu	1111111114	Bird Watcher	38000	
5	5	Brar	Fever	1111111115	Cook	48000	

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

#### Use T8\_Hospita I\_Database

Select \* from Doctor where DID<>15;

Select \* from FEE where paydate<>'2048-02-12';

	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			
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)

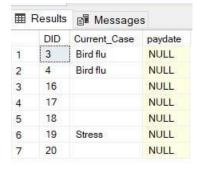
#### **OR Operator**

Use T8\_Hospita I\_Database
Select \* from Doctor where DID IN
(Select DID from FEE where DID>15 or
Current\_Case='Bird flu');



Use T8\_Hospita I\_Database

Select \* from FEE where DID>15 or Current\_Case='Bird
flu';

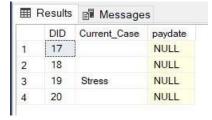


#### **AND Operator**

Use T8\_Hospita I\_Database

Select \* from FEE where DID IN

(Select DID from Doctor where DID>15 and
Salary>30000);

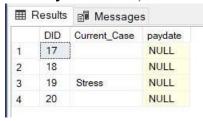


## Use T8\_Hospita I\_Database Select \* from FEE where DID<15 and paydate<= 2015-0212':



#### **IN** Operator

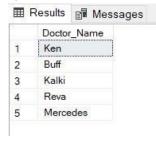
Use T8\_Hospita I\_Database
Select \* from FEE where DID IN
(Select DID from Doctor where DID>15 and
Salary>30000);



Use T8\_Hospita I\_Database

Select Doctor\_Name from Doctor where DID IN

(Select DID from FEE where DID>15);



#### **BETWEEN** Operator

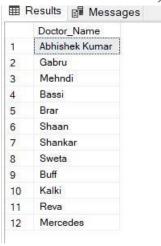
Use T8\_Hospita I\_Database

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');



