

AIM:	To implement date time and set operator in sql.
Theory :	<p style="text-align: center;">DATE TIME OPERATOR:</p> <p>1) To get date from date time format SELECT DATE('2003-12-31 01:02:03');</p> <p>2) To get time from date time format SELECT TIME('2003-12-31 01:02:03');</p> <p>3) To get current date and time SELECT CURDATE(); SELECT CURTIME();</p> <p>4) To get the dayname of a particular date SELECT DAYNAME('2002-08-07');</p> <p style="text-align: center;">SET OPERATOR:</p> <p>The SET Operators in MySQL are basically used to combine the result of more than 1 select statement and return the output as a single result set. In SQL, 4 types of set operators are. They are as follows:</p> <p>UNION: It is used to combine two or more result sets into a single set, without duplicates.</p> <p>UNION ALL: It is used to combine two or more result sets into a single set, including duplicates.</p> <p>INTERSECT: It is used to combine two result sets and returns the data which are common in both the result set.</p> <p>EXCEPT: It is used to combine two result sets and returns the data from the first result set which is not present in the second result set.</p>

Queries

Doctor Table

Name	Doc_id	Contact_no	Email	Qualification	Specialization	Fees
Sakshi	1	9812345	docsak@mail.com	MBBS	Neurologist	500
Aakriti	2	1234567	docaak@mail.com	MD	Psychologist	700
Pratiksha	3	1234589	docprats@mail.com	MD	Cardiologist	600
Sarth	4	1784589	docsar@mail.com	MBBS	Psychologist	800
Virang	5	9834589	docvir@mail.com	MD	Cardiologist	500
Vedha	6	1234589	docved@mail.com	MD	Gynecologist	600

Patient Table

Name	Doc_id	Patient_id	Age	Contact_no	DOB	Email	Bill	Illness	Gender
Sania	3	113	15	983407	16 june	sani12@gmail.com	600	Indigestion	Female
Amrita	6	160	25	975635	24 april	iamrita@gmail.com	600	Cough	Female
Nick	1	199	30	902935	03 december	nick45@gmail.com	500	Infection	Male
Sanskriti	2	200	18	967407	11 november	22kruti@gmail.com	700	Allergie	Female
Priya	4	201	40	986935	16 april	priya03@gmail.com	800	Pain	Female
Jay	1	221	42	902935	07 december	jay4325@gmail.com	500	Cough	Male

Staff Table

Name	Designation	Email	Contact_no	Salary	Staff_id
Daya	Nurse	nurse2@hosp.ac.in	224527	30000	1
Jetha	Cleaner	cleaner3@hosp.ac.in	234333	12000	4
Babita	Nurse	nurse@hosp.ac.in	155550	25000	5
Tom	Cleaner	cleaner2@hosp.ac.in	154567	12000	10
Sheela	Receptionist	Receptionist@hosp.ac.in	234567	50000	12
Shyam	Cleaner	cleaner@hosp.ac.in	891024	12000	14

1. UNION

- Create two different tables for patient and child and make a union of these two tables and order them by their agescreate

create table patient_child(

Name varchar(255),Doc_id int,

Patient_id int,

Age int, Contact_no int, DOB

varchar(255), Email varchar(255),

Bill int,

Illness varchar(255), Gender

varchar(255), primary key(Patient_id)

); create tablepatient_adult(

Name varchar(255),Doc_id int,

Patient_id int,

Age int, Contact_no int, DOB

varchar(255), Email varchar(255),

Bill int,

Illness varchar(255), Gender

varchar(255), primary key(Patient_id)

);

select Name,Patient_id,Age,Illness,Gender from patient_childunion select

Name,Patient_id,Age,Illness,Gender from patient_adult order by age;

Conclusion

We may conclude that, If we want to store a value of date that contains both date and time in it then we use the Datetime format. The Datetime stores the data in the format of year, month, date, hour, minutes, and seconds.