SQL PROJECT

HOSPITAL MANAGEMENT

- **Creating Table for patients**

  create table Hospital(

  Patient_id int,

  P_First_name varchar(255),

  P_Last_name varchar(255),

  Age int,

  Gender varchar(255),

  Disease Specification varchar(255));

  select * from hospital;

  insert into hospital

  values (1,"Preeti","Mukharhji",30,"Female","General"),

  (2,"Sona","Thakur",30,"Female","Physician"),

  (3,"Preet","Ahuja",30,"Male","General"),

  (4,"Kartik","Pillai",25,"Male","Dermac"),

  (5,"Priya","Thankur",29,"Female","Gynecologist"),

  (6,"Mayuri","Mukharhji",30,"Female","Gynecologist"),

  (7,"Punit","Pawar",23,"Male","General"),

  (8,"Supriya","Mennon",23,"Female","Endocrinologist"),

  (9,"Sonal","Ahuja",28,"Female","ENT"),

  (10,"Mayur","Dalvi",30,"Male","Pediatrician"),

  (11,"Akshay","Mukharhji",35,"Male","General"),

(12,"Siddhant","Patil",29,"Male","Orthopedist"),

(13,"Swapnil","Keni",40,"Male","General"),

(14,"Mandar","Pawar",25,"Male","Neonatologist"),

(15,"Priya","Mukharhji",38,"Female","ENT"),

(16,"Shivangi","Bhoir",15,"Female"," Neurologist"),

(17,"Aditi","Mukharhji",25,"Female","Gynecologist"),

(18,"Kirti","Dalvi",37,"Female","Rheumatologist"),

(19,"Mayur","Mennon",33,"Male","General"),

(20,"Siddhant","Kadam",42,"Male"," Cardiologist"),

(21,"Preeti","Kapoor",50,"Female","General"),

(22,"Punit","Thakur",25,"Male","Dermac"),

(23,"Aditi","Ahuja",35,"Female","Gynecologist"),

(24,"Preeti","Pawar",47,"Female","General"),

(25,"Rui","Mane",28,"Female","Pediatrician"),

(26,"Swapnil","Pillai",19,"Male","Orthopedist"),

(27,"Siddhant","Mukharhji",16,"Male","General"),

(28,"Shivangi","Mennon",23,"Female","Gynecologist"),

(29,"Preeti","Rane",55,"Female","General"),

(30,"Supriya","Pawar",35,"Female","Dermac"),

(31,"Akshay","Kapoor",30,"Male","Orthopedist"),

(32,"Preeti","Thakur",26,"Female","General"),

(33,"Aditi","Tawade",19,"Female","Pediatrician"),

(34,"Shivangi","Ahuja",24,"Female","Gynecologist"),

(35,"Kartik","Mukharhji",30,"Male","General"),

(36,"Preeti","Kadam",35,"Female","Neonatologist"),

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(37,"Akshay","Mennon",28,"Male","Dermac"),
(38,"Preeti","Gaikwad",53,"Female","General"),
(30,"Abhishek","Dalvi",39,"Male","General"),
(40,"Swapnil","Sonai",24,"Male","Endocrinologist"),
(41,"Siddhant","Thakur",33,"Male","General"),
(42,"Kirti","More",31,"Female","Gynecologist"),
(43,"Punit","Pillai",49,"Male","Endocrinologist"),
(44,"Mayur","Ahuja",27,"Male","General"),
(45,"Kirti","Pawar",28,"Female","Gynecologist"),
(46,"Kartik","Kadam",40,"Male","Neonatologist"),
(47,"Mandar","Mane",55,"Male","General"),
(48,"Shivangi","Pillai",34,"Female","Dermac"),
(49,"Swapnil","Sigh",30,"Male","Endocrinologist"),
(50,"Shreeya","Thakur",29,"Female","Orthopedist");

create table Accounts(
Patient_id int,
Gender varchar(255),
Fee_Paid int,
Balance_Ammount int,
Status_Descharged_Admit varchar(255));
Select * from accounts;

insert into accounts
values (1,"Female",2000,0,"Yes"),
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(2,"Female",600,0,"Yes"),

(3,"Male",1000,500,"Yes"),

(4,"Male",2000,0,"Yes"),

(5,"Female",2500,0,"Yes"),

(6,"Female",2000,0,"No"),

(7,"Male",900,0,"Yes"),

(8,"Female",2700,0,"Yes"),

(9,"Male",2000,0,"Yes"),

(10,"Female",3000,600,"Yes"),

(11,"Male",2000,0,"Yes"),

(12,"Female",500,0,"Yes"),

(13,"Female",2000,0,"No"),

(14,"Male",2000,500,"Yes"),

(15,"Female",900,0,"Yes"),

(16,"Female",3500,0,"Yes"),

(17,"Male",500,0,"Yes"),

(18,"Female",2000,500,"Yes"),

(19,"Male",2500,0,"No"),

(20,"Male",2000,0,"Yes"),

(21,"Female",500,0,"Yes"),

(22,"Female",3500,500,"Yes"),

(23,"Female",1000,0,"Yes"),

(24,"Male",2500,0,"Yes"),

(25,"Male",2000,0,"Yes"),

(26,"Male",900,0,"Yes"),

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(27,"Female",1000,300,"Yes"),
(28,"Female",2000,0,"Yes"),
(29,"Male",3300,0,"No"),
(30,"Female",2000,500,"Yes"),
(31,"Female",500,0,"Yes"),
(32,"Male",3000,0,"Yes"),
(33,"Female",1000,300,"Yes"),
(34,"Male",2000,0,"Yes"),
(35,"Female",2000,500,"Yes"),
(36,"Male",2500,0,"Yes"),
(37,"Female",2000,1000,"Yes"),
(38,"Male",3500,0,"Yes"),
(39,"Male",500,0,"Yes"),
(40,"Female",900,0,"Yes"),
(41,"Female",2500,500,"Yes"),
(42,"Male",2000,0,"No"),
(43,"Male",500,0,"Yes"),
(44,"Female",1000,0,"Yes"),
(45,"Female",900,0,"Yes"),
(46,"Male",2500,0,"Yes"),
(47,"Female",500,0,"Yes"),
(48,"Male",2000,500,"Yes"),
(49,"Male",1000,0,"Yes"),
(50,"Female",2500,0,"No");
select * from accounts;
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Q.1. Select the count of Patient by using count operator.

Ans. Select count(patient_id) from hospital;

Q.2. Select the max of Fee paid by using max operator.

Ans. Select max(fee_paid) from accounts;

Q.3. Select the sum of Fee paid by using max operator.

Ans. Select sum(fee_paid) from accounts;

Q.4. Select the first name and last name in one string as Full name using concat operator

Ans. Select P_first_name, P_last_name, concat(P_first_name,"",P_last_name) as Full_Name from hospital;

Q.5 Use limit 25 operator for Hospital.

Ans. Select * from hospital limit 25;

Q.6 Capitalize first letter from first name.

Ans. Select upper(p_first_name) from hospital;

Q.7 Select first name from student where last name is " Mane".

Ans. Select p_first_name from hospital where P_last_name="Mane";

Q.8 Use Inner Join function

Ans. Select hospital.P_first_name, hospital.P_Last_name, accounts.Patient_id

from hospital

inner join accounts

on hospital.Patient_id = accounts.Patient_id;

Q.9 Use Left Join function

Ans. Select hospital.P_first_name, hospital.P_Last_name, hospital.age, hospital.gender, hospital.Disease_Specification, accounts.Patient_id

from hospital

left join accounts

on hospital.Patient_id = accounts.Patient_id;

Q.10 Use Right Join function

Ans. Select hospital.Patient_id, accounts.Gender, accounts.Fee_Paid, accounts.Balance_Ammount, accounts.Status_Descharged_Admit

from hospital

Right join accounts

on hospital.Patient_id=accounts.Patient_id;

Q.11 Create view were balace_ammount is more than 0

Ans. create view balance_ammount as

select balance_ammount

from accounts where Balance_Ammount > 0 ;

Q.12 Select first 10 rows of first_name , last name from Hospital details.

Ans. Select * from hospital limit 10;

Q.13 Sort First Name, Last Name by Ascending Order

Ans. Select P_first_name, P_last_name from hospital order by P_last_name;

Q.14 Sort First Name, Last Name by Descending Order

Ans. Select P_first_name, P_last_name from hospital order by P_last_name desc;

Q.15 Find out length of first name and last name.

Ans. Select P_first_name, length(P_first_name), P_last_name, length(P_last_name) from hospital;

Q.16 Find out first name of student starting with 'P' using like function

Ans. Select P_first_name, P_last_name from hospital where P_first_name like "p%";

Q.17 Find out first name of student ending with 'a' using like function

Ans. Select P_first_name, P_last_name from hospital where P_first_name like "%a";

Q.18 Select all details from student details where first name is Preeti, Mandar, Akshay using IN function
Ans. Select * from Hospital where P_first_name in ('Preeti','Mandar','Akahay');

Q.19 Use distinct function on address column
Ans Select distinct P_last_name from hospital;