Create Database Healthcare;

Use Healthcare;

Select \* from Healthcare;

-- 1. Retrieve the names of all patients in the database

Select Name from Healthcare;

-- 2. List the unique medical conditions present in the dataset

select distinct Medical\_Condition from Healthcare;

-- 3. Find the total number of doctors in the healthcare system

select count(distinct(Doctor)) from Healthcare;

-- 4. Retrieve the details of all female patients

select \* from Healthcare where Gender = 'Female';

-- 5. What is the average age of patients in the database

select avg(Age) from Healthcare;

-- 6. Identify the patients who have more than one medical condition

SELECT Name, count(Medical\_Condition) from Healthcare

group by Name having count(Medical\_Condition) > 1;

-- 7. List the names of all doctors

select Doctor from healthcare;

-- 8.Identify the most common medical condition among patients

select Medical\_Condition, count(\*) as Medical\_Condition\_Count

from Healthcare

group by Medical\_Condition

having COUNT(\*) = (select max(Medical\_Condition\_Count)

from (select count(\*) as Medical\_Condition\_Count

from Healthcare

group by Medical\_Condition) as Subquery);

-- 9.Find the patients who are older than 60 years and have diabetes.

select Name, Age, Medical\_Condition from Healthcare where Age > 60 and Medical\_Condition = 'Diabetes';

-- 10.Calculate the total revenue generated by the healthcare system.

select sum(Billing\_Amount) as Total\_Revenue\_Generated from Healthcare ;

-- 11.Find the doctor with the oldest patient.

select Doctor, Age from Healthcare where Age = (select max(Age) from Healthcare);

-- 12.Calculate the average duration of medical visits.

select avg(Duration) from Healthcare;

-- 13.Give the names of patients whose name starts with A.

select Name from Healthcare where Name like 'A%';

-- 14.How many male and female patients are there in dataset.

select Gender, count(Gender) from Healthcare group by Gender;

-- 15.how many patients are normal.

select Test\_Results, count(Test\_Results) from Healthcare where Test\_Results = 'Normal' group by Test\_Results;

-- 16.how many patients are abnormal or Inconclusive.

select Test\_Results, count(Test\_Results) from Healthcare where Test\_Results in ('Inconclusive','Abnormal') group by Test\_Results;

-- 17.how many patients of blood group AB+ are there of age above 52.

select Blood\_Type, count(Age) from Healthcare where Blood\_Type = 'AB+' and Age >= 52;

-- 18. how many patients have paid the bill above 24890.

select count(Billing\_Amount) from Healthcare where Billing\_Amount > 24890;

-- 19. what are the names of patients having Asthma.

select Name, Medical\_Condition from Healthcare where Medical\_Condition = 'Asthma';

-- 20. how many patients have cancer.

select Medical\_Condition, count(Medical\_Condition) from Healthcare where Medical\_Condition = 'Cancer';

-- 21. what are the names and blood groups of patients admitted to room no. 292.

select Name,Blood\_Type,Room\_Number from Healthcare where Room\_Number = 292;

-- 22. how many males have Arthritis.

select Gender,Medical\_Condition,count(Medical\_Condition) from Healthcare

where Gender = 'Male' and

Medical\_Condition = 'Arthritis'

group by Gender and Medical\_Condition;

-- 23. How many patients were admitted to Harris and Sons hospital.

select Hospital, count(Hospital) from Healthcare where Hospital = 'Harris and Sons';

-- 24. what are the names of patients whose Insurance Provider are Cigna.

select Name,Insurance\_Provider from Healthcare where Insurance\_Provider = 'Cigna';

-- 25. Name the Medical Condition having patients whose ages is greater than average age

select Medical\_Condition, count(Age) from Healthcare where Age> (select avg(Age) from Healthcare) group by Medical\_Condition;