1).Show information of Hospital like name ,address,phone etc.,

ANS: select \* from Hasvi\_Hospital

2)Show all Patients Information like Patient id,name,Dieases,gender,address

Ans: select \* from Patient

3) Show all Doctors information like name ,department ,gender,address,speciality,salary.

ANS: select \* from Doctor d join Department de on d.Dept\_id=de.Dept\_id

4) Show all Nurse information like name ,department ,gender,address,speciality,salary.

ANS: select \* from Nurse n join Department d on n.Dept\_id=d.Dept\_id

5)Show all Staff information like name ,department ,gender,address,speciality,salary.

ANS: select \* from Staff s join Department d on s.Dept\_id=d.Dept\_id

6) Show all appointments of Patient.

ANS: select \* From Appointment

7) Show all appointment of ’19-02-2024’

ANS: select \* From Appointment where Appoint\_Date='2024-02-23'

8) Show all orthopedic Doctor name & specialization.

ANS: select Doctor\_name,Specialization from Doctor where Qualification like 'MS %'

9) Show today how much patient visited & consultation charges

ANS: select count(\*) AS 'Number of Patient Visited', sum(Consultation\_Charges) AS 'Total Consulatation Charge' from OPD where OPD\_Date=CAST(GETDATE() as date)

10) Show all information of Rooms.

ANS: select \* from Room

11) Show all empty rooms

ANS: select \* from Room where Room\_Status='Available'

12) Find second Highest Salary of Doctors.

Ans: select max(Salary) from Doctor where Salary< (select max(Salary) from Doctor)

13) Show the Table Structure of Patient Admission

ANS: sp\_help Patient\_Addmission

14) Find Last 7 days Discharge Patient.

ANS: select \* from Patient\_Discharge where Discharge\_Date between GETDATE()-7 and GETDATE() order by Discharge\_Date desc

15) Delete the Patient information where Patient id is in 1 to 20

ANS: Delete from Patient where Patient\_id BETWEEN 1 AND 20

16) Show all X-Rays of last 3 days.

ANS: select \* from X\_Ray\_Test where X\_Ray\_Date\_Time BETWEEN GETDATE()-3 AND GETDATE()

17) Find the Invoice whre Patient name is Fatema

ANS: select \* from Invoice where Patient\_name like 'Fatema%'

18)How many Patient done Cash payment.

ANS: select count(\*) AS Cash\_Payment from Invoice where Payment\_Type ='Cash'

19) How much patients done UPI transaction.

ANS: select SUM(Total\_Payment) AS UPI\_Payment from Invoice where Payment\_Type ='UPI Transfer'

20) Show total payment by payment type

ANS: Create Procedure Total\_Payment\_Invoice @dt Date

as

Select SUM(Total\_Payment) AS 'Total Payment' ,Payment\_Type from Invoice

where Invoice\_Date=@dt group by Payment\_Type

GO

EXEC Total\_Payment\_Invoice '2024-01-21'

OR

Select SUM(Total\_Payment) AS 'Total Payment' ,Payment\_Type from Invoice

where Invoice\_Date=CAST(GETDATE() as date) group by Payment\_Type

21)Show all information about Supplier

ANS: select \* from Supplier

22)Show all category

ANS: select \* from Category

23)Show all Supplier name & Category name

ANS: select Company\_name,Contact\_name,Category\_name from Supplier s join Category c on s.Category\_id=c.Category\_id

24) Show all Products of Hospital

ANS: select \* from Product

25) Show all Nurses by Gender.

ANS: select Gender, count (\*) AS Total from Nurse group by Gender

26) Show Category id,name & supplier id.

ANS: select c.Category\_id,c.Category\_name,s.Supplier\_Id from Category c Join Supplier s on c.Category\_id=s.Category\_id

27) Show Product name by category & Supplier.

ANS: select Category\_name,Product\_name,Company\_name from

Category c join Product p on c.Category\_id=p.Category\_id

join Supplier s on c.Category\_id=s.Category\_id

28) Update Room Status as Not Available when Patient Admitted in particular room.

ANS: create Trigger Room\_Status\_Notavl on

Patient\_Admmission for insert

AS

update Room set Room\_Status='Not available' from Room r,Patient\_Admmission p where p.Room\_id=r.Room\_id AND DATEPART(MINUTE, p.Room\_Entry\_Date)= DATEPART(MINUTE,GETDATE())

29) Update Room Status as Available when Patient Discharge.

ANS: create Trigger room\_status\_avail on

Patient\_Discharge for insert

as

update Room set Room\_Status='Available' from Room r,Patient\_Discharge d where r.Room\_id=d.Room\_id AND DATEPART(MINUTE ,d.Room\_Exit\_Date)=DATEPART(MINUTE,GETDATE())

30) Count the number of unavailable rooms

ANS: select count(Room\_id) as 'Not Available', Room\_Category,Room\_charges from Room

where Room\_Status='Not available' group by Room\_Category,Room\_charges order by

Room\_charges

31) Show all Patients by Gender & City.

ANS: select City,Gender,count(\*) Patient\_Count from Patient group by City,Gender

order by City ASC

32) Find the Floor where maximum number of rooms are available.

ANS: select FLOOR,count(\*) AS 'Available Rooms' from Room

Where Room\_Status='Available' group by FLOOR having COUNT(\*)=

(Select MAX(zz) AS highest\_total from (select FLOOR,COUNT(\*) AS zz from Room where Room\_Status='Available' group by FLOOR) AS r);

33) Patient name,Doctor name Disease as Treatment,Room number,Admission date,Discharge Date fetch all this records

ANS: select p.Patient\_name,d.Doctor\_name,p.disease as'Treatment',r.Room\_Number,convert(varchar(15),a.Admission\_Date,105) Admission\_Date,convert(varchar(15),dd.Discharge\_Date,105) Discharge\_Date

from Patient\_Admmission a

join Patient p on a.Patient\_id=p.Patient\_id

join Doctor d on a.Doctor\_id=d.Doctor\_id

join Patient\_Discharge dd on a.Patient\_id=dd.Patient\_id

join Room r on a.Room\_id=r.Room\_id

34) How many Staff types are there

ANS: Select count(\*) Total\_Staff,Designation from Staff group by Designation

35) Find the salary department wise.

ANS: select COALESCE(Dept\_name,'Total')AS Dept\_name ,

SUM(Salary) AS 'Total\_Salary' from Department d

join Payroll p on d.Dept\_id=p.Dept\_id group by Dept\_name WITH ROLLUP