

# SQL HOSPITAL BUSINESS DATA

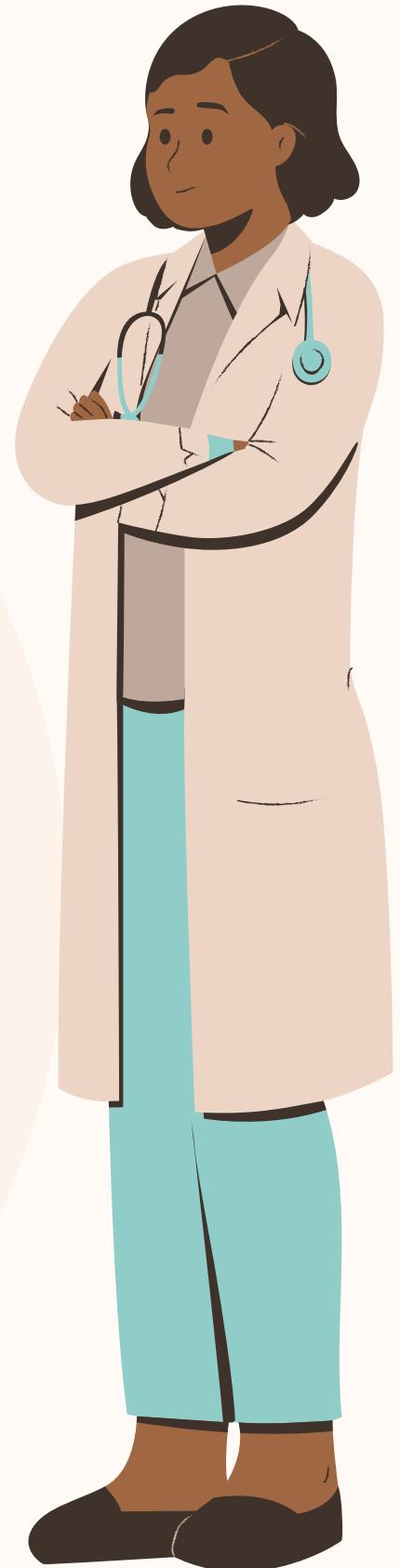


# TOTAL NUMBER OF PATIENTS



```
SELECT  
    SUM(Patients_Count) AS total_patients  
FROM  
    hospital_data;
```

total_patients
9347





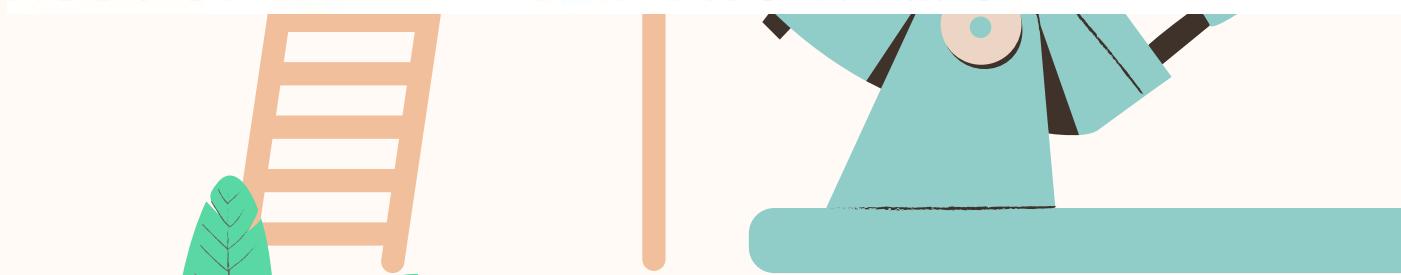
SELECT

Hospital\_Name,  
AVG(Doctors\_Count) AS average\_hospital\_doctor\_count

FROM

hospital\_data

GROUP BY Hospital\_Name;



Hospital_Name	average_hospital_doctor_count
Wellness Clinic	34.0000
Fortis Care	24.5455
Heritage Hospital	24.6667
City Hospital	24.7000
Global Medicare	28.7273
Apollo Health	23.3636
Green Valley Hospital	28.8750
Healing Touch	25.6429
Sunrise Medical	28.6250
Metro Hospital	27.4545

# AVERAGE NUMBER OF DOCTORS PER HOSPITAL





# TOP 3 DEPARTMENTS WITH THE HIGHEST NUMBER OF PATIENTS



SELECT

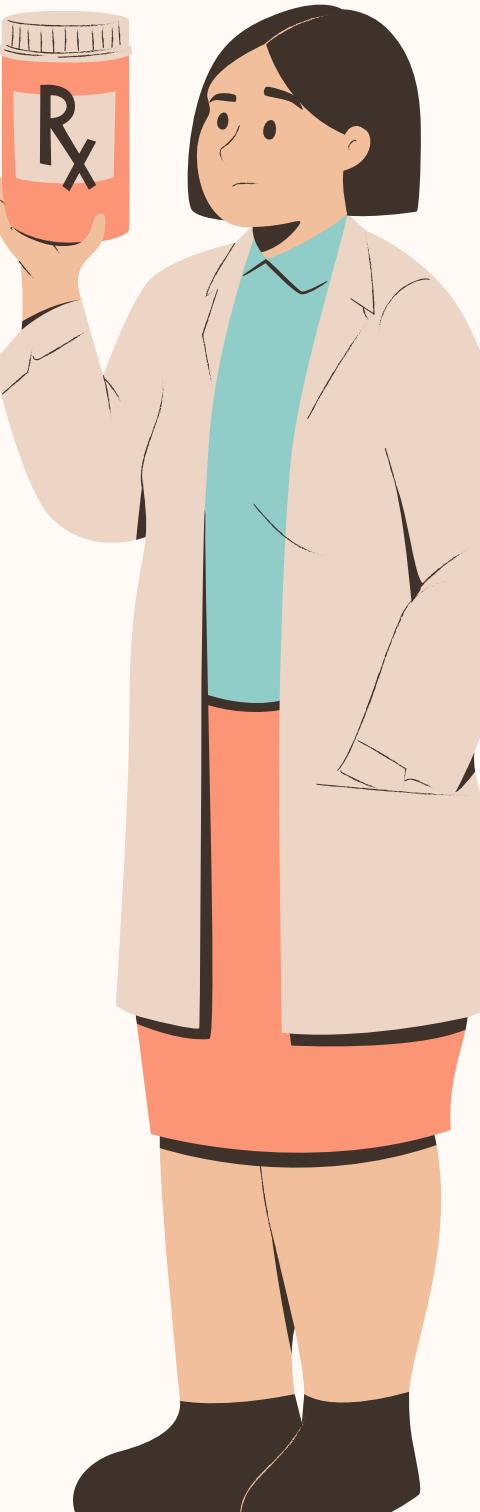
Hospital\_Name, Department, Patients\_Count

FROM

hospital\_data

ORDER BY Patients\_Count DESC

LIMIT 3;



Hospital_Name	Department	Patients_Count
Heritage Hospital	ENT	198
Heritage Hospital	Neurology	194
Healing Touch	Oncology	193

# HOSPITAL WITH THE MAXIMUM MEDICAL EXPENSES

```
SELECT  
    Hospital_Name, Medical_Expenses AS maximum_expense  
FROM  
    hospital_data  
ORDER BY Medical_Expenses DESC  
LIMIT 1;
```

Hospital_Name	maximum_expense
Healing Touch	49955.41

# DAILY AVERAGE MEDICAL EXPENSES

```
SELECT  
    Hospital_name,  
    ROUND(AVG(Medical_Expenses), 2) AS avg_medical_expenses  
FROM  
    hospital_data  
GROUP BY Hospital_name;
```

Hospital_name	avg_medical_expenses
Wellness Clinic	25066.83
Fortis Care	30697.94
Heritage Hospital	20766.56
City Hospital	34798.84
Global Medicare	29976.31
Apollo Health	25212.28
Green Valley Hospital	20273.6
Healing Touch	25155.58
Sunrise Medical	29131.37
Metro Hospital	28616.91



# LONGEST HOSPITAL STAY

```
SELECT
    *, DATEDIFF(Discharge_Date, Admission_Date) AS stay_duration
FROM
    hospital_data
ORDER BY stay_duration DESC
LIMIT 1;
```

Hospital_Name	Location	Department	Doctors_Count	Patients_Count	Admission_Date	Discharge_Date	Medical_Expenses	stay_duration
Apollo Health	Lucknow	ENT	9	171	2023-04-06	2023-04-21	21666.78	15



# TOTAL PATIENTS TREATED PER CITY

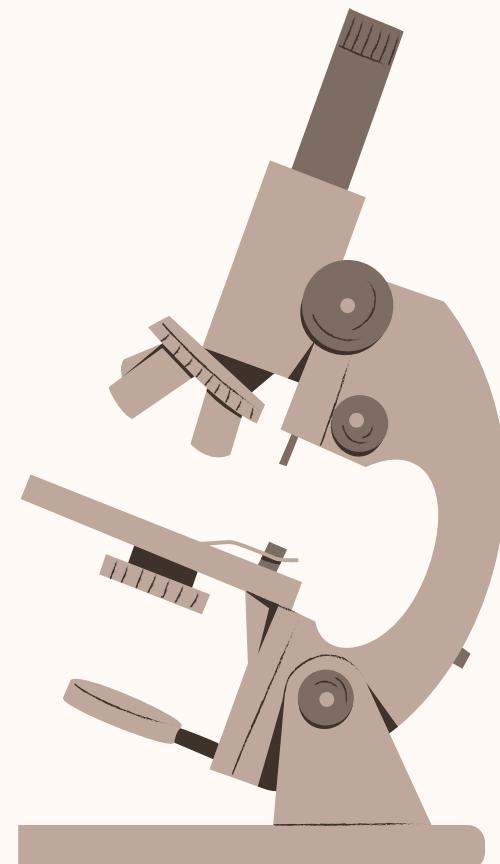
SELECT

Location, SUM(Patients\_Count) AS patients

FROM

hospital\_data

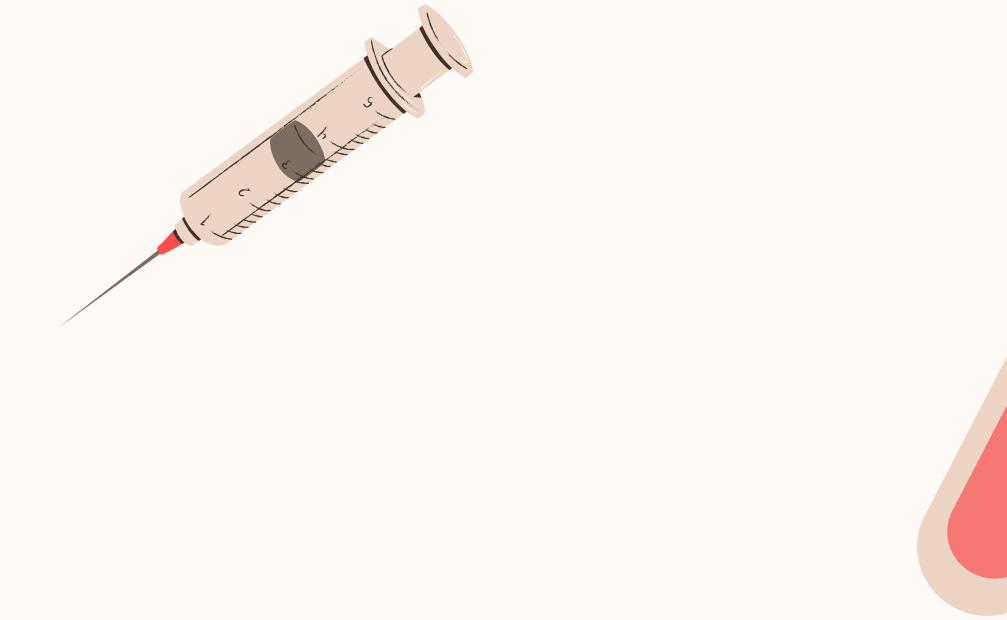
GROUP BY Location;



Location	patients
Chennai	840
Pune	555
Ahmedabad	1467
Hyderabad	1261
Kolkata	596
Jaipur	1505
Mumbai	483
Lucknow	1264
Delhi	421
Bangalore	955

# AVERAGE LENGTH OF STAY PER DEPARTMENT

```
SELECT  
    Department,  
    AVG(DATEDIFF(Discharge_Date, Admission_Date)) AS avg_stay  
FROM  
    hospital_data  
GROUP BY Department  
ORDER BY avg_stay;
```



Department	avg_stay
Dermatology	5.6000
Cardiology	6.8571
Orthopedics	7.1429
General Medicine	7.4286
Gynecology	7.6667
ENT	8.0833
Oncology	8.1111
Urology	8.7222
Pediatrics	9.1111
Neurology	9.2500



# IDENTIFY THE DEPARTMENT WITH THE LOWEST NUMBER OF PATIENTS

SELECT

Department, SUM(Patients\_count) AS Patients

FROM

hospital\_data

GROUP BY Department

ORDER BY Patients ASC

LIMIT 1;



Department	Patients
Cardiology	544



# MONTHLY MEDICAL EXPENSES REPORT

SELECT

```
MONTH(discharge_date) AS month,  
SUM(medical_expenses) AS Monthly_Medical_expenses
```

FROM

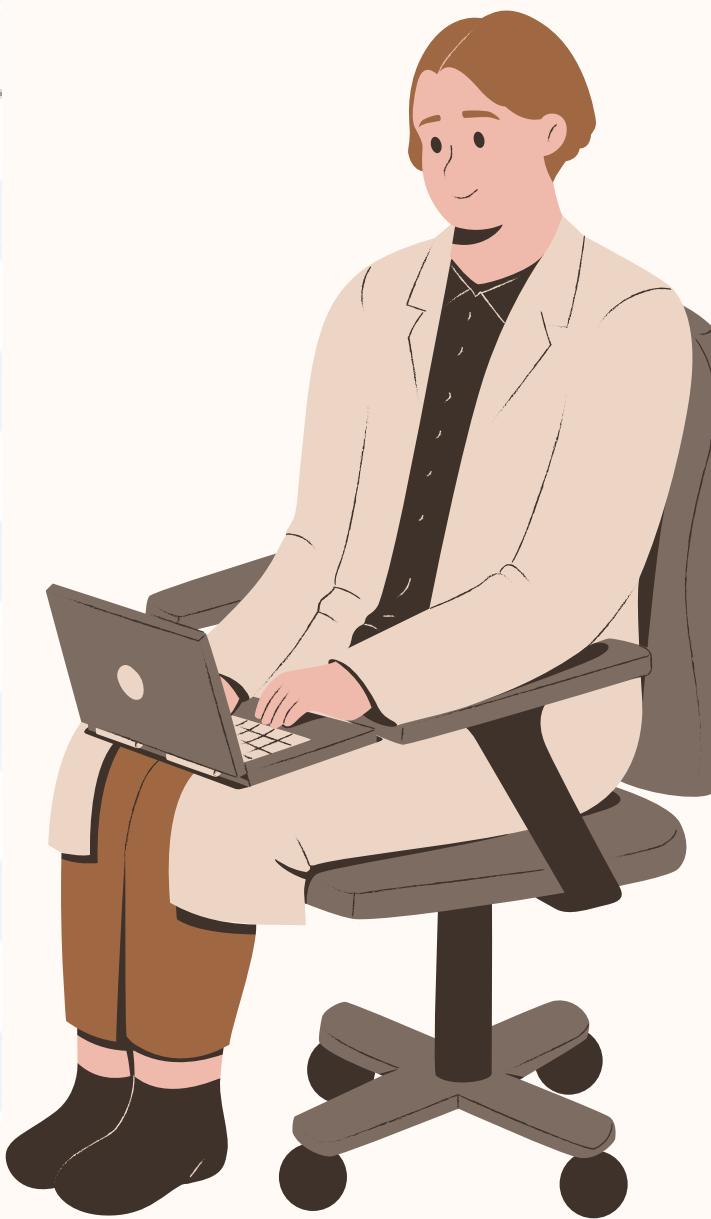
```
hospital_data
```

```
GROUP BY month
```

```
ORDER BY month;
```



month	Monthly_Medical_expenses
1	295397.24
2	317550.05999999994
3	183909.86000000002
4	141632.34000000003
5	229987.55
6	71899.48
7	223866.77000000002
8	262726.79
9	259287.0199999996
10	235363.78
11	318388.85
12	177301.3199999998



# THANK YOU FOR YOUR ATTENTION

