

1: Total Number of Patients

ANSWER:

```
SELECT SUM(patients_count) AS Total_Patient FROM Hospital_Details;
```

2: Average Number of Doctors per Hospital

ANSWER:

```
SELECT AVG(doctors_count) AS avg_doctor_per_hospital  
FROM Hospital_Details
```

3: Top 3 Departments with the Highest Number of Patients

ANSWER:

```
SELECT department, patients_count FROM Hospital_Details  
ORDER BY patients_count DESC LIMIT 3
```

4: Hospital with the Maximum Medical Expenses

ANSWER:

```
SELECT hospital_name, medical_expenses FROM Hospital_details  
ORDER BY medical_expenses DESC LIMIT 1
```

5: Daily Average Medical Expenses

ANSWER: SELECT

admission\_date,

SUM(medical\_expenses) AS total\_daily\_expenses,

SUM(patients\_count) AS total\_daily\_patients,

SUM(medical\_expenses) / SUM(patients\_count) AS average\_expense\_per\_patient

FROM

Hospital\_details

GROUP BY

admission\_date

ORDER BY

admission\_date;

#### 6: Longest Hospital Stay

ANSWER: SELECT \*, (discharge\_date - admission\_date) AS stay\_duration FROM Hospital\_details

ORDER BY stay\_duration DESC LIMIT 1

#### 7: Total Patients Treated Per City

ANSWER: SELECT location AS city\_name, SUM (patients\_count) AS total\_patient FROM Hospital\_details

GROUP BY location ORDER BY total\_patient

#### 8: Average Length of Stay Per Department

ANSWER:

SELECT department, AVG(discharge\_date - admission\_date)

AS average\_Length\_of\_stay FROM Hospital\_details

GROUP BY department

ORDER BY average\_Length\_of\_stay

#### 9: Identify the Department with the Lowest Number of Patients

ANSWER:

SELECT department, patients\_count FROM Hospital\_details

ORDER BY patients\_count LIMIT 1

#### 10: Monthly Medical Expenses Report

ANSWER:

SELECT TO\_CHAR(admission\_date, 'DD-MM-YYYY') AS Year\_month,

SUM (medical\_expenses) AS total\_monthly\_expenses,

SUM (patients\_count) AS total\_monthly\_patients

FROM Hospital\_details

GROUP BY year\_month ORDER BY year\_month