

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
```