

30 Days SQL Micro Course Certificate Assignment

1. Total Number of Patients

Write an SQL query to find the total number of patients across all hospitals.

```
select COUNT("Patients Count") AS Total_Patients  
FROM hospital_DATA;
```

2. Number of Doctors per Hospital

Retrieve the average count of doctors available in each hospital.

```
SELECT COUNT('DOCTORS_COUNT') AS DOCTOR ,Hospital_NAME  
FROM hospital_DATA  
Group By Hospital_NAME  
ORDER BY Hospital_NAME;
```

3. Top 3 Departments with the Highest Number of Patients

Find the top 3 hospital departments that have the highest number of patients.

```
SELECT DISTINCT COUNT("Patients_Count") AS PATIENT, Department  
From HOSPITAL_DATA  
Group By Department  
Order by Patients_Count  
DESC  
limit 3  
;
```

4. Hospital with the Maximum Medical Expenses

Identify the hospital that recorded the highest medical expenses.

```
SELECT Hospital_Name ,SUM(Medical_Expenses)  
From hospital_data
```

Group by Medical_Expenses
Order By Medical_Expenses DESC LIMIT 1;

5. Daily Average Medical Expenses

Calculate the average medical expenses per day for each hospital.

```
SELECT AVG(Medical_expenses),Hospital_Name  
From hospital_data  
Group By Hospital_name  
Order By Medical_expenses  
DESC  
;
```

6. Total Patients Treated Per City

Count the total number of patients treated in each city.

```
SELECT count("PATIENTS_COUNT") , LOCATION  
FROM Hospital_DATA  
Group By location  
ORDER by Location;
```

7. Identify the Department with the Lowest Number of Patients

Find the department with the least number of patients.

```
SELECT DISTINCT Department,COUNT("PATients_count")  
From Hospital_data  
Group By Patients_Count  
Order By Patients_Count  
DESC  
Limit 1;
```