

```
create table hospital(  
  hospital_name varchar(50),  
  location varchar(50),  
  department varchar(50),  
  doctor_count int,  
  patient_count int,  
  admission_date date,  
  discharge_date date,  
  medical_expenses numeric(10,2)  
);  
  
copy  
hospital from  
'D:\downloads 2\Hospital_Data.csv'  
csv header;  
  
select * from hospital;
```

1.Total Number of Patients

```
select sum(patient_count) as total_patient from hospital;
```

2.Average Number of Doctors per Hospital

```
select distinct hospital_name,avg(doctor_count) as average_dortor from hospital  
group by hospital_name;
```

3.Top 3 Departments with the Highest Number of Patients

```
select department,sum(patient_count) as Total_patient from hospital group by department  
order by Total_patient desc limit 3;
```

4.Hospital with the Maximum Medical Expenses

```
SELECT hospital_name, SUM(medical_expenses) AS total_expenses  
FROM hospital  
GROUP BY hospital_name  
ORDER BY total_expenses DESC  
LIMIT 1;
```

5.Daily Average Medical Expenses

```
select distinct hospital_name,discharge_date-admission_date as duration_of_staying,  
(medical_expenses/ nullif (discharge_date-admission_date,0)) as per_day_expenses  
from hospital;
```

6.Longest Hospital Stay

```
select hospital_name ,discharge_date-admission_date as duration_of_staying  
from hospital order by duration_of_staying desc limit 1;
```

7.Total Patients Treated Per City

```
select location ,sum(patient_count) as total_patient  
from hospital group by location;
```

8.Average Length of Stay Per Department

```
select distinct department, (patient_count/ nullif (discharge_date-admission_date,0)) as  
stay_per_dep from
```

```
hospital group by department;
```

```
SELECT
```

```
    department,
```

```
    AVG(DATEDIFF(STR_TO_DATE(discharge_date, '%m-%d-%Y'),  
STR_TO_DATE(addmision_date, '%m-%d-%Y'))) AS Avg_Stay_Days
```

```
FROM hospital
```

```
GROUP BY department;
```

9.Identify the Department with the Lowest Number of Patients

```
SELECT department, SUM(patient_count) AS TotalPatients
```

```
FROM hospital
```

```
GROUP BY department
```

```
ORDER BY TotalPatients ASC
```

```
LIMIT 1;
```

10.Monthly Medical Expenses Report

```
SELECT
```

```
    EXTRACT(MONTH FROM admission_date) AS month,
```

```
    SUM(medical_expenses) AS total_medical_expenses
```

```
FROM hospital
```

GROUP BY EXTRACT(MONTH FROM admission_date)

ORDER BY month;