30 Days SQL Micro Course Certificate Assignment

Create a Table:-

```
create table Hospitals_data(
Hospital_Name varchar(100) not null,
Place varchar(50),
Department varchar(50),
Doctors_Count int,
Patients_Count int,
Admission_Date date,
Discharge_Date date,
Medical_Expenses numeric
);
```

View Table:-

```
select * from Hospitals_data;
```

Import data in to table:-

```
copy
Hospitals_data (Hospital_Name, Place, Department, Doctors_Count, Patients_Count,
Admission_Date, Discharge_Date, Medical_Expenses)
from 'C:/Users/Mohit Ojha/Downloads/Hospital_Data.csv'
delimiter ','
csv header;
```

Solve Questions One by one:-

1./**Total Number of Patients**/

```
select sum(patients_count) as Total_numbers_of_hospitals from Hospitals_data;
```

2./**Average Number of Doctors per Hospital**/

```
select round(avg(Doctors_Count),0) as Average_Doctors_per_Hospital from Hospitals_data;
```

3./**Top 3 Departments with the Highest Number of Patients**/

```
select Department,Patients_Count as Number_of_Patients from Hospitals_data
order by Patients_Count desc limit 3;
```

4./**Hospital with the Maximum Medical Expenses****/**

select Hospital_Name, Medical_Expenses from Hospitals_data
order by Medical_Expenses desc limit 1;

5./**Daily Average Medical Expenses****/**

select round(avg(Medical_Expenses),2) as Avg_Medical_Expenses from Hospitals_data;

6./**Longest Hospital Stay****/**

select Hospital_Name,Discharge_Date - Admission_Date as patient_stay from Hospitals_data
order by patient_stay desc limit 1 ;

7./**Total Patients Treated Per City ****/**

 select Place,sum(Patients_Count)
from Hospitals_data
group by place;

8. /**Average Length of Stay Per Department****/**

select Department,round(Avg(Discharge_Date - Admission_Date),0) as patient_stay from
Hospitals_data
 group by Department;

9./**Identify the Department with the Lowest Number of Patients ****/**

select Department, Patients_Count
as no_of_patient from Hospitals_data
order by Patients_Count
limit 1;

10./**Avg Medical Expenses Report****/**

select Round(avg(Medical_Expenses),0) as avg_expenses
from Hospitals_data;