**30 Days SQL Micro Course Certificate assignment**

**CREATE TABLE hospital(**

**Hospital\_Name VARCHAR(100),**

**Location VARCHAR(50),**

**Department VARCHAR(50),**

**Doctors\_Count INT,**

**Patients\_Count INT,**

**Admission\_Date Date,**

**Discharge\_Date Date,**

**Medical\_Expenses NUMERIC(10,2)**

**);**

**SELECT\*FROM hospital;**

copy hospital(Hospital\_Name,Location,Department,Doctors\_Count,Patients\_Count,Admission\_Date,Discharge\_Date,Medical\_Expenses)

from 'C:\Users\Admin\Downloads\Hospital\_Data.csv'

csv header;

**--Assignment Question--**

**--1)Total Number of Patient**s

select sum(Patients\_Count) AS Total\_no\_Of\_Patients

from hospital;

**--2)Average no, of Doctors per hospital**

select avg(doctors\_Count) as Avg\_Doct\_Count

from hospital;

**--3) Top 3 Department with the highet number of Patient**

select Department,Patients\_count

from hospital order by Patients\_Count desc limit 3;

**--4)Hospital with the maximum Medical Expenses;**

select hospital\_name,Medical\_Expenses

from hospital

order by Medical\_Expenses desc;

**--5)Daily Average medical Expenses**

select\*from hospital

select hospital\_name,Medical\_Expenses

select avg(Medical\_Expenses) as Avg\_Medical\_Exp

from hospital

group by hospital\_name;

**--6) Longest Hospital Stay**

select admission\_date,discharge\_date,(admission\_date-discharge\_date) as Date\_Diff

from hospital order by date\_diff asc;

**---7)Total Patients treated per city**

select\*from hospital

select Location, sum(Patients\_Count)as Total\_Number\_of\_Patient

from hospital group by location ;

**--8)Average lenghth of stay per department**

select\*from hospital

select Department,(admission\_date-discharge\_date) as Date\_Diff

from hospital

**--9)Identify the Department with the lowest Number of Patient**

select\*from hospital

select department, sum(Patients\_Count) as Total\_No\_Of\_Patient

from hospital group by department

order by Total\_No\_Of\_Patient asc;

**---10)Monthly Medical Expenses report**

select Medical\_Expenses,

extract(month from admission\_date) as Addmis\_Month\_report,

extract(month from discharge\_date) as Disch\_Month\_report

from hospital