

30 Days SQL Assignment Answer PDF

Instruction:

First, download the Hospital Data.csv file and import it into SQL. Then, solve the given queries to complete the 30-Day Micro Course and earn your certificate. Once all queries are solved, copy the results, paste them into a Word document, convert it to a PDF, and upload the PDF using the Google Form link provided in the video description.

Solutions:

```
CREATE TABLE Hospital_info(  
    Hospital_Name VARCHAR(100),  
    Location VARCHAR(100),  
    Department VARCHAR(100),  
    Doctors_Count INT,  
    Patients_Count INT,  
    Admission_Date DATE,  
    Discharge_Date DATE,  
    Medical_Expenses NUMERIC(10,2)  
);
```

```
SELECT* FROM Hospital_info;
```

--1. Total Number of Patients

```
SELECT SUM(patients_count) AS Total_Patients  
FROM Hospital_info;
```

--2. Average Number of Doctors per Hospital

```
SELECT Hospital_Name, AVG(Doctors_Count) AS Avg_Doctors  
FROM Hospital_info  
GROUP BY Hospital_Name;
```

--3. Top 3 Departments with the Highest Number of Patients

```
SELECT Department, SUM(patients_count) AS Total_Patients
FROM Hospital_info
GROUP BY Department
ORDER BY Total_Patients DESC
LIMIT(3);
```

--4. Hospital with the Maximum Medical Expenses

```
SELECT Hospital_Name, SUM(Medical_Expenses) AS Total_Medical_Expenses
FROM Hospital_info
GROUP BY Hospital_name
ORDER BY Total_Medical_Expenses DESC
LIMIT(1);
```

--5. Daily Average Medical Expenses

```
SELECT Hospital_Name, AVG(Medical_Expenses / ((Discharge_Date - Admission_Date) + 1)) AS
daily_avg_expenses
FROM Hospital_info
GROUP BY Hospital_name;
```

--6. Longest Hospital Stay

```
SELECT Hospital_Name, Patients_Count, Admission_Date, Discharge_Date,
(Discharge_Date - Admission_Date) AS Stay_Duration
FROM Hospital_info
ORDER BY Stay_Duration DESC
LIMIT(1);
```

--7. Total Patients Treated Per City

```
SELECT Location, SUM(patients_Count) AS Total_Patients_per_City
FROM Hospital_info
GROUP BY Location;
```

--8. Average Length of Stay Per Department

```
SELECT Department, AVG(Discharge_Date - Admission_Date + 1) AS Avg_stay_department
FROM Hospital_info
GROUP BY Department;
```

--9. Identify the Department with the Lowest Number of Patients

```
SELECT Department, SUM(patients_Count) AS Total_Patients_per_Dept
FROM Hospital_info
GROUP BY Department ORDER BY Total_Patients_per_Dept
LIMIT 1;
```

--10. Monthly Medical Expenses Report

```
SELECT DATE_TRUNC('month', Admission_Date) AS month,
SUM(Medical_Expenses) AS total_medical_expenses
FROM Hospital_info
GROUP BY month
ORDER BY month;
```