SQL Assignment

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Write an SQL query to find the total number of patients across all hospitals?
    SELECT SUM (patients count) AS total number of patients FROM hospital data;
Retrieve the average count of doctors available in each hospital?
     SELECT AVG (doctors_count) AS avg_of_doctors FROM hospital_data;
Find the top 3 hospital departments that have the highest number of patients?
    SELECT hospital name, department, patients count
   FROM hospital_data ORDER BY patients_count DESC LIMIT 3;
Identify the hospital that recorded the highest medical expenses?
   SELECT hospital name, medical expenses FROM hospital data
   ORDER BY medical expenses DESC LIMIT 1;
Calculate the average medical expenses per day for each hospital?
  SELECT hospital name, ROUND (SUM (medical expenses) / SUM (discharge date - admission date + 1), 2)
  AS avg_daily_expenses FROM hospital_data GROUP BY hospital_name ORDER BY avg_daily_expenses DESC;
Find the patient with the longest stay by calculating the difference between Discharge Date
and Admission Date?
   SELECT hospital_name, patients_count, admission_date, discharge_date,
  age (discharge_date, admission_date) AS stay_duration FROM hospital_data
  ORDER BY stay_duration DESC LIMIT 1;
Count the total number of patients treated in each city?
  SELECT location, SUM (patients count) AS total patients
    FROM hospital_data group by location;
Calculate the average number of days patients spend in each department?
  SELECT department, ROUND (AVG (discharge date - admission date + 1), 2)
  AS avg_stay_days, COUNT (*) AS total_patients FROM hospital_data
  GROUP BY department ORDER BY avg_stay_days DESC;
Identify the Department with the Lowest Number of Patients?
  SELECT department, COUNT (patients count) AS patient count FROM hospital data
 GROUP BY department ORDER BY patient count ASC LIMIT 1;
Group the data by month and calculate the total medical expenses for each month?
 SELECT TO_CHAR (Admission_Date, 'YYYY-MM') AS month, SUM(medical_expenses) AS
otal medical expenses FROM hospital data GROUP BY TO CHAR (admission date, 'YYYY-MM') ORDER BY
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month: