Health stats and data page

Hide Assignment Information

Instructions

Health data output page (stats and table data)

This assignment will require submitting and displaying TWO queries into a web page, one of which will contain statistical summary information.

NOTE: You will need to EDIT the default database connection code to CHANGE it to connect to dent_health not dent_movies!

Both queries will run against the dent_health database. As noted in the lecture you can choose to install your own version of the db in your server account, if you want to test your SQL SELECT statements directly. If you did want to install your own copy of the health db for testing the import file is healthdataset1.sql.txt.

For this page you will need to focus in on one sub-set of the data, a filter that narrows down patients by four or five parameters, such as below (note requirements of lab has a restriction of less than 30 total)

- Men admitted into Urgent, ages 30-40, with blood type AB+
- People admitted into Emergency with Cancer who were given a particular medication
- Women between 50 and 60 years of age, admitted into Emergency, who were given Liptor, whose tests were Inconclusive.

For the page, you will be creating a webpage that displays information from this health table. Requirements:

1. **Page basics**: html skeleton, general color scheme and page design.

2. **Page premise:** Present some ***insight or assertion*** into the page, based on the data.
3. BOTH queries of your page should have a core set of filters, narrowing the dataset by (some but not all): blood type, gender, age, admission type, medical condition, medication administered, and test results. What that means is ***BOTH of your queries should have the same WHERE clause.***. You can play around with WHERE parameters to filter by MedicalCondition, AdmitType, Gender, BloodType, etc. So perhaps it is all females under a certain age that were admitted to Emergency with a particilar connection.
4. Create one **aggregate sql query** that:
    1. **counts** the number of records (with your WHERE filters)
    2. calculates the **average** age in the group
    3. adds up a **total** of all billing amounts charged for the group
    4. provides the **average** bill for all patients in the group
    5. **Outputs the results of the aggregate query into the page**. *(Note you can use an output loop or just manually fetch and assign the one row to $currentrow without using a loop).*
5. Normal text ouput query:
    - Standard text query with details of that filtered dataset: **40 Max:** Create a SELECT * from the WHERE filters, NOT TO EXCEED 40 records.
    - Display the raw data of the SELECT * query **in an html table** (inside a loop). You do not have to display all 15 columns from the table, but a minimum of 6 including the core ones... so if you filtered by every patient must have cancer, you can state that at the top but probably do not need to display the column where every MedicalCondition is the same (cancer).

Note if you need more help the recent lecture has one example of some regular health data (not aggregate), as well as examples of multiple queries in a (movie) page and some sample aggregate/stat SELECT statements.

Due on Oct 7, 2025 2:00 PM

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Text submission

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