Homework #5. (100 pts) due midnight Nov 23rd

1. (10) Create a database that supports the following tables of data. Make the database name as hw5.

To Do:

* Make sure that you use the exact same table names and column names
* Create proper constraints for the primary keys and foreign keys for each table
* Use ON UPDATE CASCADE and ON DELETE CASCADE options for the foreign key constraints
* Create a view called HighBalancePatients that shows the patient number, patient name and the balance which is greater than $1000.
* Create a view called LowBalancePatients that shows the patient number, patient name and the balance which is lower than the average balance
* Use the following scripts to enter data into the tables.
* Then, write queries to answer the following questions
  + How many patients are scheduled for more than one to therapy?

SELECT PatientNum, COUNT(PatientNum) AS TherapyCount

FROM Sessions

GROUP BY PatientNum

HAVING TherapyCount > 1;

Graphical user interface

Description automatically generated

* + How many sessions happened after 10/15/2018?

SELECT SessionNum, Session\_Date, [COUNT(\*)]

FROM Sessions

WHERE Session\_Date > '2018-10-15';

Graphical user interface, table

Description automatically generatedText

Description automatically generated with medium confidence

* + Show the total therapy sessions in minutes done by each therapist and sort them in descending order of the minutes

SELECT TherapistID, SUM(LengthOfSession) As TotalTime

FROM Sessions

GROUP BY TherapistID

ORDER BY TotalTime DESC;

Table

Description automatically generated

Diagram

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