ITEC 3200   Practice for Exam 2, SQL Part 1 and 2

Use the FITNESS schema.   Go to Edit | Preferences | SQL Editor, and un-check "Safe Updates".

DML1:   For the CLIENT table, for any clients who do not have a plan, set their plan to 6.

DML2: In the PLAN table, change the Monthly fee for any plan 2 and 5 to $35.

DML3: Add a row to the PLAN table with the following data: For Plan_id, use the next number, which is 7.   The plan's initial fee is $300, monthly rate is $125, the Personal Training fee is $50, and the duration of the contract is for 12 months, beginning on July 1, 2022 (use the MySQL date format: 'YYYY-MM-DD')

Query1. Using the PERSONAL_TRAINING table, show the client_id and goals for those personal training sessions where the client ID is between 1 and 30 or the goals contain the word 'cardio'.   Format the data and headings as shown below, and order by the client_id (ORDER BY 1).

Client Identification	Client Goals
12	Lose 100 pounds
25	Run a marathon
36	Increase cardio endurance

Query2. Copy/paste Query1 and list the client's full name as column 2.

Client Identification	Full Name	Client Goals
12	Betty Claymore	Lose 100 pounds
25	Michael Garcia	Run a marathon
36	Elise Rikard	Increase cardio endurance

Query3. List the client's full name, the Initial Fee from his/her plan, monthly fee, and the amount of money paid the entire contract. This would be equal to the initial fee, plus the number of months times the monthly fee.   Only list "Tall Clients", that is, those who are 6 feet or taller.   Format the data and headings as shown below, and order by the Contract Amount.

Tall Clients	Initial Fee	Monthly Fee	Contract Amount
Jim Rivera	100.00	35.00	520.00
Michael Garcia	200.00	75.00	2000.00

Query4.   List the trainer's ID and how many workouts they train.   Put in descending order according to trainer ID, and label the columns as shown:

Trainer ID	Number of Workouts
638	2
617	1
412	1
259	1
231	1
121	1
19	1
13	1
1	1

Query 5: List all of the trainers (name, address and salary) for trainers who have the same zipcode as Gwen Lopez. Use the subquery method. Order by Column 1. The address consists of the street, city, state and zip, formatted as shown below.

Trainer Name	Address	Salary
Gwen Lopez	1302 Lakeshore Dr. Live Oak, TX 38138	30.00
Patrice LeBlanc	768 Fairwoods San Marcos, TX 38138	24.00
Seung Ding	879 Julia Circle Live Oak, TX 38138	22.35