SQL CODE

**Create gymMembers table. gymMembers CSV file was used to import data in the table:**

CREATE TABLE gymMembers(

memberId INT,

fName VARCHAR(50),

lName VARCHAR(50),

street VARCHAR(200),

city VARCHAR(50),

state VARCHAR(20),

status VARCHAR(20),

PRIMARY KEY(memberId)

)

**Create gymClasses table:**

CREATE TABLE gymClasses(

classId INT,

classTitle VARCHAR(50),

PRIMARY KEY(classId)

)

**Insert gym classes:**

INSERT INTO gymClasses

VALUES (1, 'Boxing'),

(2, 'Kickboxing'),

(3, 'MMA'),

(4, 'CrossFit'),

(5, 'Jiu Jitsu')

**Create gymInstructors table:**

CREATE TABLE gymInstructors(

instructorId INT,

fName VARCHAR(50),

lName VARCHAR(50),

title VARCHAR(20),

PRIMARY KEY(instructorId)

)

**INSERT INTO gymInstructors:**

VALUES (100, 'Wayne', 'Gregory', 'Boxing Coach'),

(101, 'Tommy', 'Hughes', 'Boxing Coach'),

(102, 'Gogo', 'Slavevski', 'Boxing Coach'),

(103, 'Mikey', 'Garcia', 'Kickboxing Coach'),

(104, 'Tony', 'Silva', 'Jiu Jitsu Coach'),

(105, 'Gordon', 'Ryan', 'Jiu Jitsu Coach'),

(106, 'Mark', 'Henry', 'MMA Coach'),

(107, 'Alexa', 'Curti', 'MMA Coach'),

(108, 'Chris', 'Simpson', 'CrossFit Coach'),

(109, 'Julie', 'Marie', 'CrossFit Coach'),

(110, 'Errol', 'Spence', 'Boxing Coach')

**Create gymSchedule table gymSchedule CSV file was used to import data in the table:**

CREATE TABLE gymSchedule(

scheduleId INT,

day VARCHAR(20),

classTime VARCHAR(20),

classId INT,

instructorId INT,

PRIMARY KEY(scheduleId),

FOREIGN KEY(classId) REFERENCES gymClasses(classId),

FOREIGN KEY(instructorId) REFERENCES gymInstructors(instructorId)

)

**SQL code for creating a view FullScheduleView which combines attributes from tables: gymSchedule, gymClasses gymInstructors :**

CREATE VIEW FullScheduleView AS

SELECT day, classTime, classTitle, fName, lName

FROM gymSchedule s, gymClasses c, gymInstructors i

WHERE s.classId=c.classId AND s.instructorId=i.instructorId

ORDER BY s.scheduleId

SQL CODE INSIDE JAVA FILE FOR JOIN

SQL code for performing join inside my Java file joining the gymClasses and gymSchedule tables. The str\_class variable will represent string containing Boxing, Kickboxing etc. depending on the user’s choice. This join helps customers of the gym to pick a class that they are interested in and access the days and times it is offered through the week.

SELECT classTitle, day, classTime

FROM gymSchedule s, gymClasses c

WHERE s.classId=c.classId AND classTitle = '" +str\_class+ "'