/\* Show a count of the largest population: counts all gym members \*/

SELECT COUNT(\*) FROM MEMBER;

/\* Show a listing of a key entity in the database: lists all gym trainers \*/

SELECT Name, TrainerID, Phone

FROM TRAINER;

/\* Show a list of entities that must function together: all members in a class taught by an instructor \*/

SELECT T.Name, M.Name, C.CNumber

FROM MEMBER M

JOIN ATTENDS A ON A.MemberID = M.MemberID

JOIN CLASS C ON C.CNumber = A.CNumber

JOIN TRAINER T ON T.TrainerID = C.TrainerID

ORDER BY T.Name;

/\* Show the cost of an occurrence, derived using aggregate functions: total of classes revenue per trainer \*/

SELECT T.Name, SUM(C.Cost)

FROM TRAINER T

JOIN CLASS C ON T.TrainerID = C.TrainerID

JOIN ATTENDS A ON A.CNumber = C.CNumber

GROUP BY T.Name;

/\* Show a schedule for multiple occurrences, sorted by date and time: Trainer's class schedule this month \*/

SELECT T.Name, C.CNumber, C.Time\_Start, C.Time\_End

FROM TRAINER T

JOIN CLASS C ON T.TrainerID = C.TrainerID

WHERE C.Time\_Start BETWEEN '2019-03-01 00:00:00' AND '2019-03-31 00:00:00' AND T.Name = "Pushpa Kumar"

ORDER BY C.Time\_Start DESC;