

Homework #1

Exercises on SQL Language

1. Given the following relational schema (primary keys are underlined, optional attributes are denoted as '*'):

USER (SSN, Name, Surname, City, YearOfBirth, UserType)
MOVIE (MCode, Title, Nation, Language, MovieStudio, Genre)
EVALUATION (SSN, MCode, Evaluation, Date)

Write the following queries in SQL language:

- a) Show the code and title of every film produced by the film studio 'BestMovie' that has received an average rating of over 8 from teenage users (UserType = 'Teenager').
2. Given the following relational schema (primary keys are underlined, optional attributes are denoted as '*'):

TRAINER (SSN, TName, TSurname, TCity)
GYM (GCode, GName, GCity, Address)
SPECIALTY (SCode, SName, Description)
LESSON (SSN, GCode, Date, SCode, ParticipantsNumber)

Write the following queries in SQL language:

- a) Show SSN, name and surname of every personal trainer who gave lessons in at least 3 different gyms located in Turin.
- b) Show SSN and surname of every personal trainer who gave at least 10 lessons on Karate, but who never gave lessons on Judo
- c) For each gym, show the name and the total number of lessons given by personal trainers who gave lessons in at least 3 different gyms located in Turin.