



Politecnico
di Torino

DBG
MG

Exercises on SQL language (no.3)

Exercise

MAGAZINE (MId, MName, Publisher)

ARTICLE (AId, Title, Topic, MId)

- Find the names of the magazines that publish both articles about motorcycles and articles about cars.

Exercise

MAGAZINE (MId, MName, Publisher)

ARTICLE (AId, Title, Topic, MId)

➤ Find the names of the magazines that have never published any article about motorcycles

Set of data to be excluded: Set of magazines that published at least an article on Motorcycle topic

Exercise

MAGAZINE (MId, MName, Publisher)

ARTICLE (AId, Title, Topic, MId)

➤ Find the names of the magazines that have only ever published articles about motorcycles

Set to be excluded: Magazines with at least an article on a topic different than Motorcycle

Exercise

SAILOR (SId, SName, Expertise, DateofBirth)

BOAT(Bid, BName, Color)

BOOKING (SId, BId, Date)

- Find the codes and the names of the sailors who have booked at least a red boat and at least a green boat

Exercise

SAILOR (SId, SName, Expertise, DateofBirth)

BOAT(Bid, BName, Color)

BOOKING (SId, BId, Date)

➤ Find the codes of the sailors who have never booked a red boat

Set to be excluded: set of sailors who booked a red boat

Exercise

AIRCRAFT (AID, AName, MaximumRange)

PILOT (PID, PName, Salary)

CERTIFICATE (AID, PID)

- Find the codes and the names of the pilots who are qualified to fly on at least two aircrafts that can cover distances greater than 5,000 km (MaximumRange \geq 5,000), and who are qualified to fly on a Boeing (AName = 'Boeing')

Exercise

COURSE (CourseCode, CourseName, Year, Semester)

COURSE-SCHEDULE (CourseCode, DayOfWeek, StartTime, EndTime, Room)

➤ Find the rooms where no first-year courses have ever been given

Set of data to be excluded: Set of ROOMS used for a lecture related to the first year course

Exercise

FLAT (FCode, Address, City, Surface)

LEASING-CONTRACT (LCCode, StartDate, EndDate, PersonName, MonthlyPrice, FCode)

- Find the names of the people who have never rented any flat with a surface greater than 80 square meters

Set of data to be excluded: set of people who rented at least one flat with a surface greater than 80 square meters

Exercise

FLAT (FCode, Address, City, Surface)

LEASING-CONTRACT (LCCode, StartDate, EndDate, PersonName, MonthlyPrice, FCode)

- Find the codes and the addresses of flats in Turin whose monthly leasing price has always been greater than 500 Euro and for which more than 5 contracts have been signed.

Set of data to be excluded: set of people with at least a monthly leasing price of 500 euros or less