



Politecnico  
di Torino

DBG  
MG

# Exercises on SQL language (no.3)

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# Exercise

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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

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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

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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

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SAILOR (SId, SName, Expertise, DateofBirth)

BOOKING (SId, BId, Date)

BOAT(Bid, BName, Color)

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

# Exercise

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SAILOR (SId, SName, Expertise, DateofBirth)

BOOKING (SId, BId, Date)

BOAT(Bid, BName, Color)

➤ 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

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AIRCRAFT (AId, AName, MaximumRange)

CERTIFICATE (AId, PIId)

PILOT(PIId, PName, Salary)

- 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 ( $\text{MaximumRange} \geq 5,000$ ), and who are qualified to fly on a Boeing

# Exercise

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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

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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

# Exercise

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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.