



Politecnico  
di Torino

DBG  
MG

# Exercises on SQL language (no.1)

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# Exercise

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MAGAZINE (MID, MName, Publisher)

ARTICLE (AID, Title, Topic, MId)

➤ Find the titles of the articles on motorcycles

# Exercise

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MAGAZINE (MID, MName, Publisher)

ARTICLE (AID, Title, Topic, MId)

➤ Find the publisher of the magazine with name “DB\_Journal”

# Exercise

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MAGAZINE (MID, MName, Publisher)

ARTICLE (AID, Title, Topic, MId)

➤ Find the publisher of the magazine with name “DB\_Journal”

# Exercise

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MAGAZINE (MID, MName, Publisher)

ARTICLE (AID, Title, Topic, MId)

- Find the names of the magazines that have published at least one article about motorcycles

# Exercise

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MAGAZINE (MID, MName, Publisher)

ARTICLE (AID, Title, Topic, MId)

➤ Find the names of the magazines that have published articles about motorcycles or cars

# Exercise

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STUDENT (SID, SName, City)

TEACHER (TID, TName, Depart)

COURSE (CCode, CName, TID)

EXAM (CCode, SID, Date, Grade)

- For each course show the course name and the name of the teacher in charge of the course

# Exercise

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STUDENT (SID, SName, City)

TEACHER (TID, TName, Depart)

COURSE (CCode, CName, TID)

EXAM (CCode, SID, Date, Grade)

- For each teacher working in the computer science department, show the name of the teacher and the name of the courses he/she is responsible for



# Exercise

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STUDENT (SID, SName, City)

TEACHER (TID, TName, Depart)

COURSE (CCode, CName, TID)

EXAM (CCode, SID, Date, Grade)

- For each student, show the name of the student and the name of each course for which the student passed the exam with a grade equal to 18

# Exercise

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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 a red boat or a green boat

# Exercise

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SAILOR (SID, SName, Expertise, DateofBirth)

BOAT(BID, BName, Color)

BOOKING (SID, BID, Date)

- Find the codes and the names of the sailors born after 1970 and expertise Skipper who have booked a red boat or a green boat

# Exercise

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PILOT(PID, PName, Salary)

AIRCRAFT (AID, AName, MaximumRange)

CERTIFICATE (AID, PID)

- Find the codes and the names of the pilots who are qualified to fly on an aircraft that can cover distances greater than 5,000 km (MaximumRange $\geq$ 5,000)

# Esercizio

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COURSE (CourseCode, CourseName, Year, Semester)

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

➤ Find the rooms where the first-year courses were held on Monday from 10:00 to 14:00

# 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 is greater than 500 Euro

# Exercise

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ATHLETE (ACode, AName, ASurname, TeamName, Country)

ATTENDANCE (CCode, ACode, Position)

COMPETITION (CCode, CName, CType, Category)

- Show the code and the name of the athletes who attended at least one Super G competitions (CType = 'Super G').

# Exercise

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SPECIALIST-VISIT (VCode, Vtype)

DOCTOR (DCode, Dname)

PATIENT (SSN, PName, BirthDate, MedicalInsurance)

BOOKING (Date, Time, DCode, Room, VCode, SSN)

- Show the SSN and name of patients with medical insurance 'BestIns' who have booked at least one cardiological examination.