



SQL language

Queries in SQL

Tania Cerquitelli

Exercise n. 1

COURSE (CourseCode, CourseName, Year, Semester)

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

- Find the rooms in which none of the first-year courses has ever been given.

Exercise n. 2

COURSE (CourseCode, CourseName, Year, Semester)

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

- ⇒ Find the codes, the names and the total number of weekly hours of the third-year courses whose total number of weekly hours is greater than 10 and whose schedule spans three different days of the week.

Exercise n. 3

FLAT (FCode, Address, City, Surface)

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

- ⇒ For the cities in which at least 100 contracts have been signed, find the city, the maximum monthly price, the average monthly price, the maximum duration of the leasing contracts, the average duration of the leasing contracts and the total number of signed contracts.

Exercise n. 4

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 n. 5

FLAT (FCode, Address, City, Surface)

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

- ⇒ Find the names of the people who have signed more than two leasing contracts for the same flat (in different periods).

Exercise n. 6

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.

Exercise n. 7

PERSON (Name, Sex, Age)

PARENT (ParentName, ChildName)

- Find the name of each person younger than 10 years old who is an only child