



SQL Language

Queries in SQL

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Exercise n.1

MAGAZINE (MId, MName, Publisher)

ARTICLE (AId, Title, Topic, MId)

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

Exercise n.2

MAGAZINE (MId, MName, Publisher)

ARTICLE (AId, Title, Topic, MId)

- Find the identifiers and the names of the magazines that publish articles about motorcycles or cars

Exercise n.3

MAGAZINE (MId, MName, Publisher)

ARTICLE (AId, Title, Topic, MId)

- Find the identifiers and the names of the magazines that have published at least two articles about motorcycles

Exercise n.4

MAGAZINE (MId, MName, Publisher)

ARTICLE (AId, Title, Topic, MId)

- Find the identifiers and the names of the magazines that have published only one article about motorcycles (i.e., they may have published any articles about other topics)

Exercise n. 5

- Given the relational schema including the following tables (primary keys are underlined)

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 a red boat or a green boat

Exercise n. 6

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 two boats

Exercise n. 7

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 three boats

Exercise n. 8

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 an aircraft that can cover distances greater than 5,000 km (MaximumRange \geq 5,000)

Exercise n.9

AIRCRAFT (AId, AName, MaximumRange)

CERTIFICATE (AId, CId)

PILOT(Pid, 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 ($\text{MaximumRange} \geq 5,000$)