

[My Courses](#) / [My courses](#) / [Introduction to Database Systems, MSc SD \(Spring 2023\)](#) / [Homeworks](#) / [Homework2](#)

Started on Wednesday, 22 March 2023, 18:28

State Finished

Completed on Wednesday, 22 March 2023, 18:45

Time taken 16 mins 42 secs

Question 1

Complete

Marked out of 20.00

Given the ER diagram in the instruction document, choose the correct statements.

- ☐ a. All animals are dead.
- ☐ b. All birds are dead.
- ☒ c. All foxes have a weight.
- ☐ d. A bird can be killed by many hunters.
- ☐ e. Hunters are animals.
- ☒ f. A hunter can kill a fox without the assistance of a dog.
- ☒ g. Given a hunter, it is possible to find the total weight of the animals he/she has killed.
- ☐ h. A bird can be a dog.
- ☒ i. A hunter can kill a fox with the assistance of at least one dog.
- ☐ j. All foxes are dead.
- ☐ k. A dog can kill a bird.

Question 2

Complete

Marked out of 20.00

Submit a file with an ER diagram reflecting the requirements given in Section 2 of the instructions document, using the ER notation of the PDBM textbook, with amendments made in the lecture. Note that if you draw the diagram by hand, the diagram must be sufficiently readable.

File Submitted HW2-ER.pdf

 [HW2-ER.pdf](#)

Question 3

Complete

Marked out of 5.00

(a) The empire 'Danish Empire' consists of 3 countries. How many countries does the empire 'Iberian' consist of?

Answer:

Question 4

Complete

Marked out of 5.00

(b) There are 4 countries that are present on more than one continent. How many of these countries are partially in Europe?

Answer:

Question 5

Complete

Marked out of 5.00

(c) In the countries of North America that have more than 1 million inhabitants, there are a total of 164,688,674 people that speak Spanish, according to the statistics in the database. What is the corresponding number for Europe?

Answer:

Question 6

Complete

Marked out of 5.00

(d) According to the database, one language is spoken in all countries of the 'Danish Empire'. How many languages are spoken in all countries of 'Benelux'?

(Note: This is a division query; points will only be awarded if division is attempted.)

Answer: