

4 A relational database, SHIPPING, stores data about the ships in a company and the containers that are carried on the ships.

The database has the following tables:

```
CONTAINER(ContainerID, Type, Weight, OwnerName, ShipID)

SHIP(ShipID, Type, Capacity, ShipName)
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(a) Describe the relationship between the two tables. Refer to the primary and foreign keys in your answer.

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(b) The table CONTAINER needs an additional field to store the data for the last inspection date.

Write a Structured Query Language (SQL) script to add **one** field to the table CONTAINER to store the date of last inspection of the container, for example 08/07/2019.

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(c) Write an SQL script to return the number of containers stored in the database for the ship with the name Caledonia.

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(d) Describe the purpose of a developer interface in a Database Management System (DBMS).

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