

Database Task:

Given the following movie database schema, Write out SQL statements for the following 10 queries

Schema:

Customers

<u>CustID</u>	LastName	FirstName
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Inventory

<u>TapelD</u>	MovieID
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Movies

<u>MovieID</u>	MovieName
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MovieSupplier

<u>SupplierID</u>	<u>MovieID</u>	Price
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Orders

<u>OrderID</u>	SupplierID	MovieID	Copies
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Rentals

<u>CustomerID</u>	<u>TapelD</u>	<u>CkoutDate</u>	Duration
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Suppliers

<u>SupplierID</u>	SupplierName
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Queries:

1. Which movies are supplied by "Joe's House of Video" or "Video Warehouse"?
2. Which movie was rented for the longest duration (by any customer)?
3. Which suppliers supply all the movies in the inventory? (Hint: first get a list of the movie suppliers and all the movies in the inventory using the cross product. Then find out which of these tuples are invalid.)
4. How many movies in the inventory does each movie supplier supply? That is, for each movie supplier, calculate the number of movies it supplies that also happen to be movies in the inventory.
5. For which movies have more than 4 copies been ordered?
6. Which customers rented "Fatal Attraction 1987" or rented a movie supplied by "VWS Video"?
7. For which movies are there more than 1 copy in our inventory? (Note that the TapelD in inventory is different for different copies of the same MovieID)
8. Which customers rented movies for 5 days or more?
9. Which supplier has the cheapest price for the movie "Almost Angels 1962"?
10. Which movies aren't in the inventory?