Examples

SINGLE TABLE QUERIES

CAR RENTAL

Reservation: (Res#, start-date, end-date, date-of-res, cust#)
Customer: (Cust#, type, name)
Vehicle: (Tag#, size, type, make)
Reserve-Vehicle: (Res#, Tag#)

Queries.

 -- Find all of the information on customers.

-- What are the sizes of the Vehicles made by Ford?

-- What is the Customer # and reservation date for reservation# 472?

CAR RENTAL

Reservation: (<u>Res#</u>, start-date, end-date, date-of-res, cust#)
Customer: (<u>Cust#</u>, type, name)
Vehicle: (<u>Tag#</u>, size, type, make)
Reserve-Vehicle: (<u>Res#</u>, <u>Tag#</u>)

Query.

 -- Find all of the information on customers

Select *

From Customer;

Notes: The "wild card" * allows you to retrieve all of the data from a table.

Only Select From is needed because there is no restriction on the data.

The "Where" clause is what restricts the data.

CAR RENTAL

Reservation: (<u>Res#</u>, start-date, end-date, date-of-res, cust#)
Customer: (<u>Cust#,</u> type, name)
Vehicle: (<u>Tag#</u>, size, type, make)
Reserve-Vehicle: (<u>Res#</u>, <u>Tag#</u>)

Query

-- What are the sizes of the Vehicles made by Ford?

Select DISTINCT size

From Vehicle

Where make='Ford';

Note: Single quote around the word Ford in the Where clause.

CAR RENTAL

Reservation: (<u>Res#</u>, start-date, end-date, date-of-res, cust#)
Customer: (<u>Cust#,</u> type, name)
Vehicle: (<u>Tag#</u>, size, type, make)
Reserve-Vehicle: (<u>Res#</u>, <u>Tag#</u>)

Query.

 -- What is the Customer # and reservation date for reservation# 472?

Select cust#, date-of-res

From Reservation

Where Res#=472;

Question: What does this query <u>not</u> ask about?

Note: Res# is numeric so quotes are not needed around the number 472.

CAR RENTAL

Reservation: (Res#, start-date, end-date, date-of-res, cust#)
Customer: (Cust#, type, name)
Vehicle: (Tag#, size, type, make)
Reserve-Vehicle: (Res#, Tag#)

Query.

 -- What is the Customer # and reservation date for reservation# 472?

Select cust#, date-of-res

From Reservation

Where Res#=472;

Question: What does this query not ask about? [It does not ask anything about either the customer who made the reservation or the reservation itself.]

Note: Res# is numeric so quotes are not needed around the number 472.