

Question 1

SHIP_MOVEMENT

<u>Date</u> (Primary Key)	<u>Time</u> (Primary Key)	<u>Sname</u> (Foreign Key)	Longitude	Latitude
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SHIP

<u>Sname</u> (Primary Key)	Owner	Type	Pname	SCName	SOLName
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TYPE

<u>Type</u> (Primary Key)	Tonnage	Hull
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PORT_VISIT

<u>Sname</u> (Foreign Key)	<u>Pname</u> (Foreign Key)	<u>SCName</u> (Foreign Key)	<u>SOLName</u> (Foreign Key)	<u>Start_date</u> (Foreign Key)	End_date
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PORT

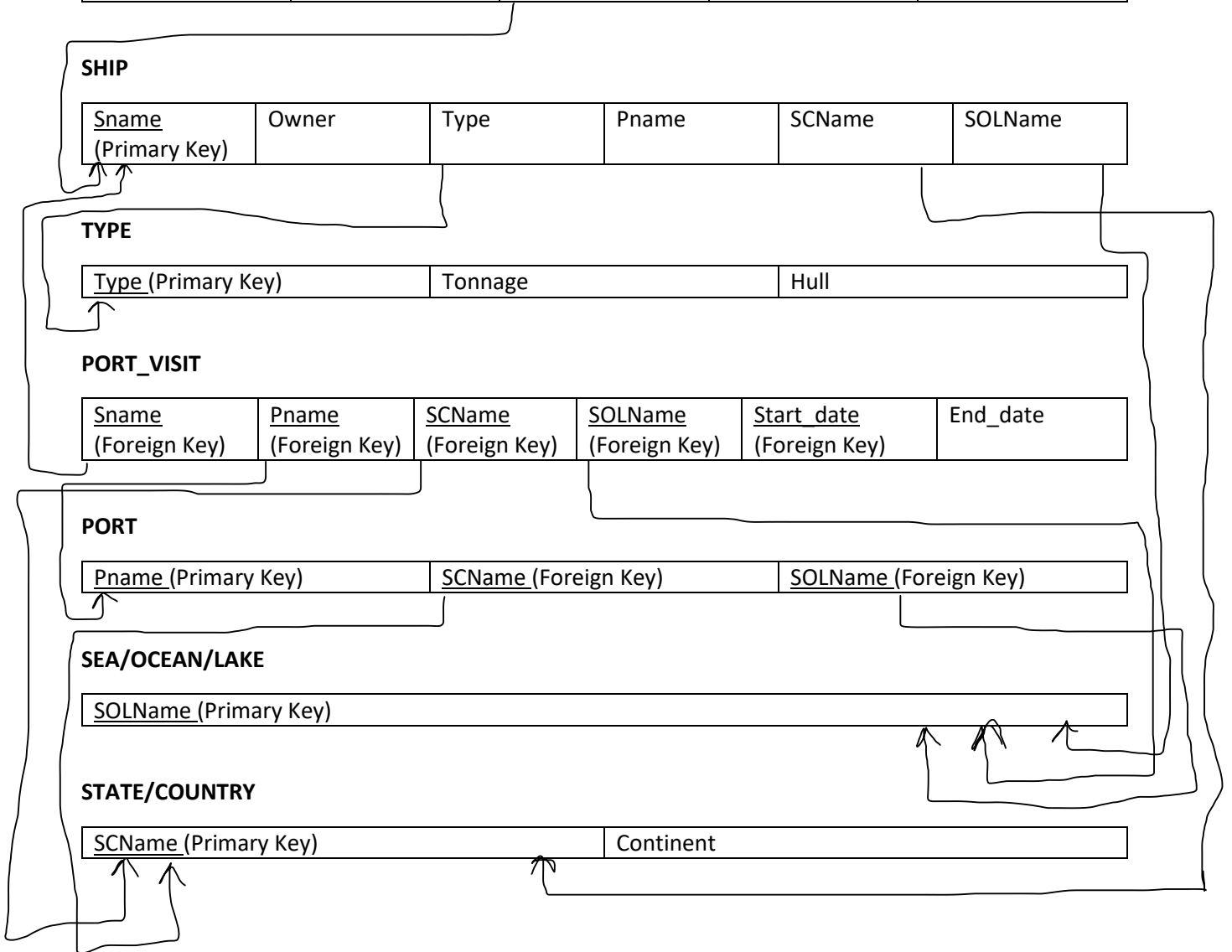
<u>Pname</u> (Primary Key)	<u>SCName</u> (Foreign Key)	<u>SOLName</u> (Foreign Key)
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SEA/OCEAN/LAKE

<u>SOLName</u> (Primary Key)

STATE/COUNTRY

<u>SCName</u> (Primary Key)	Continent
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Question 2

Using Option 8A:

CUSTOMER

<u>SSN</u> (Primary Key)	Name	City	State	Street
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SALESPERSON

<u>Sid</u> (Primary Key)	Name
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SALE

<u>SSN</u> (Foreign Key)	<u>Sid</u> (Foreign Key)	<u>Vin</u> (Foreign Key)	Date
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VEHICLE

<u>Vin</u> (Primary Key)	Price	Model
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CAR

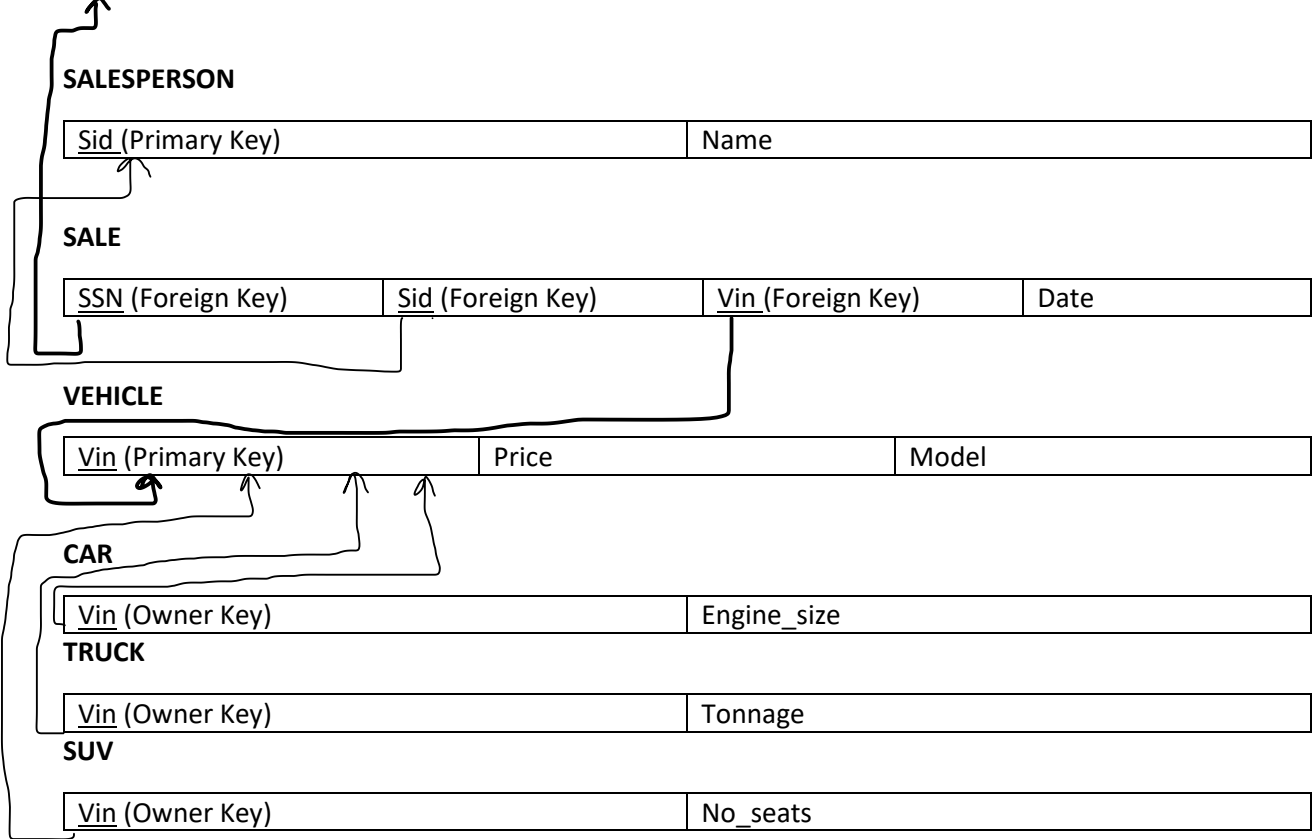
<u>Vin</u> (Owner Key)	Engine_size
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TRUCK

<u>Vin</u> (Owner Key)	Tonnage
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SUV

<u>Vin</u> (Owner Key)	No_seats
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Question 2

Using Option 8B:

CUSTOMER

<u>SSN</u> (Primary Key)	Name	City	State	Street
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SALESPERSON

<u>Sid</u> (Primary Key)	Name
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SALE

<u>SSN</u> (Foreign Key)	<u>Sid</u> (Foreign Key)	<u>Vin</u> (Foreign Key)	Date
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CAR

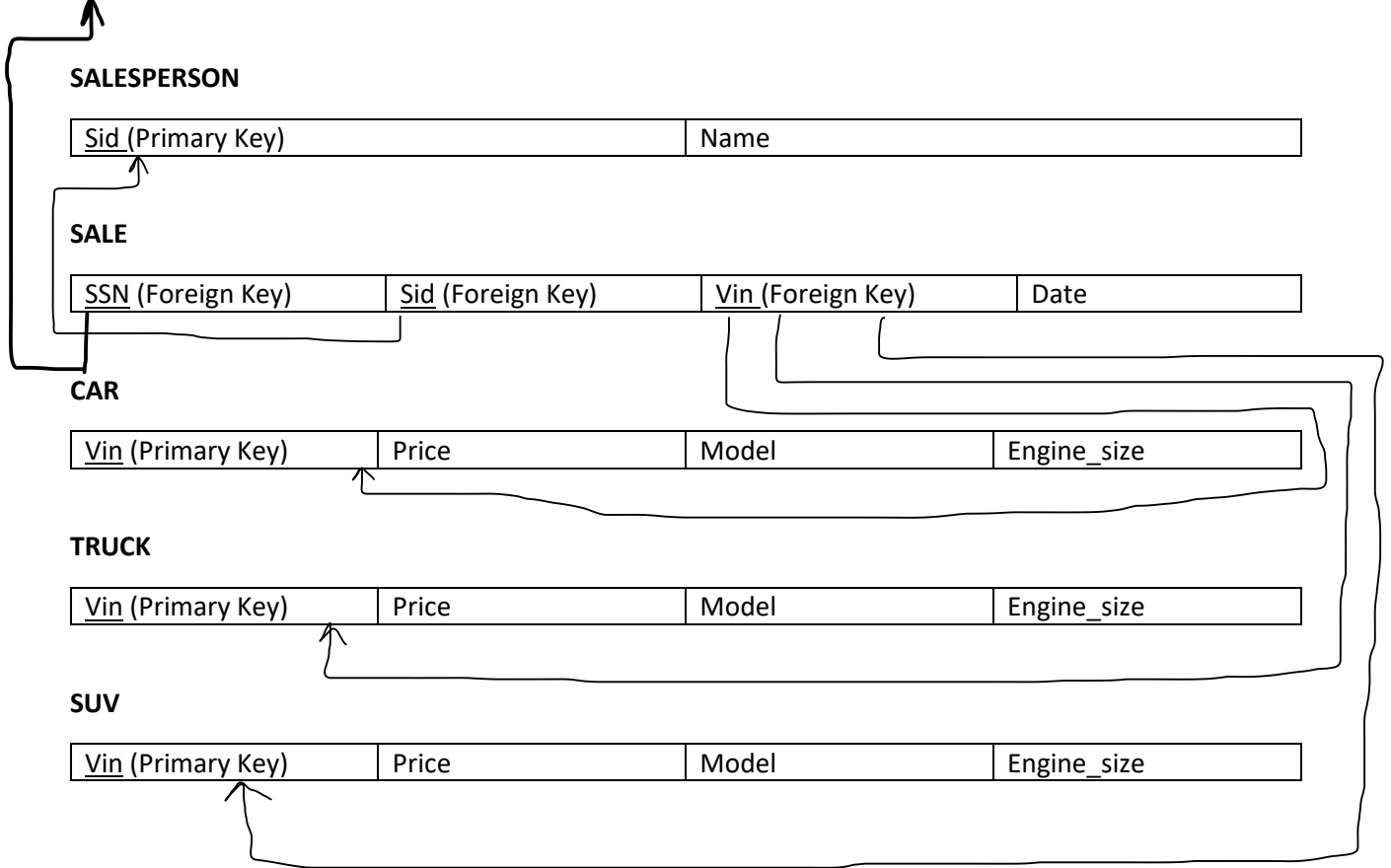
<u>Vin</u> (Primary Key)	Price	Model	Engine_size
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TRUCK

<u>Vin</u> (Primary Key)	Price	Model	Engine_size
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SUV

<u>Vin</u> (Primary Key)	Price	Model	Engine_size
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Question 2

Using Option 8C:

CUSTOMER

<u>SSN</u> (Primary Key)	Name	City	State	Street
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SALESPERSON

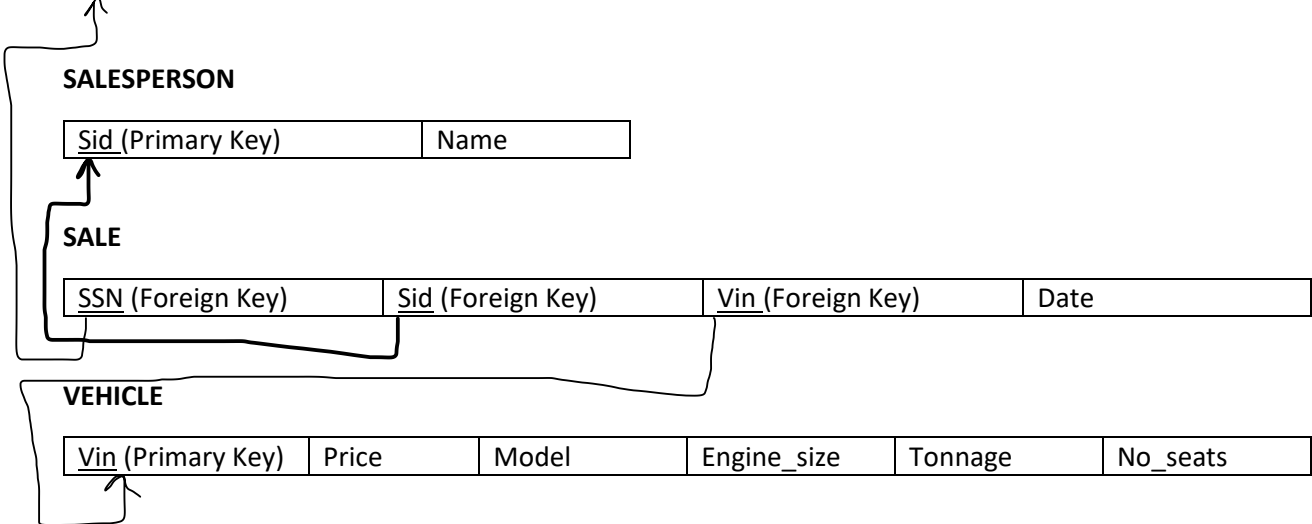
<u>Sid</u> (Primary Key)	Name
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SALE

<u>SSN</u> (Foreign Key)	<u>Sid</u> (Foreign Key)	<u>Vin</u> (Foreign Key)	Date
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VEHICLE

<u>Vin</u> (Primary Key)	Price	Model	Engine_size	Tonnage	No_seats
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Question 2

Using Option 8D:

CUSTOMER

<u>SSN</u> (Primary Key)	Name	City	State	Street
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SALESPERSON

<u>Sid</u> (Primary Key)	Name
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SALE

<u>SSN</u> (Foreign Key)	<u>Sid</u> (Foreign Key)	<u>Vin</u> (Foreign Key)	Date
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VEHICLE

<u>Vin</u> (Primary Key)	Price	Model	Cflag	Engine_size	Tflag	Tonnage	Sflag	No_seats
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