IS340-Databases for Management Midterm Exam

Open Note, Open Book, Optional Group, Midterm Exam. Take your time!

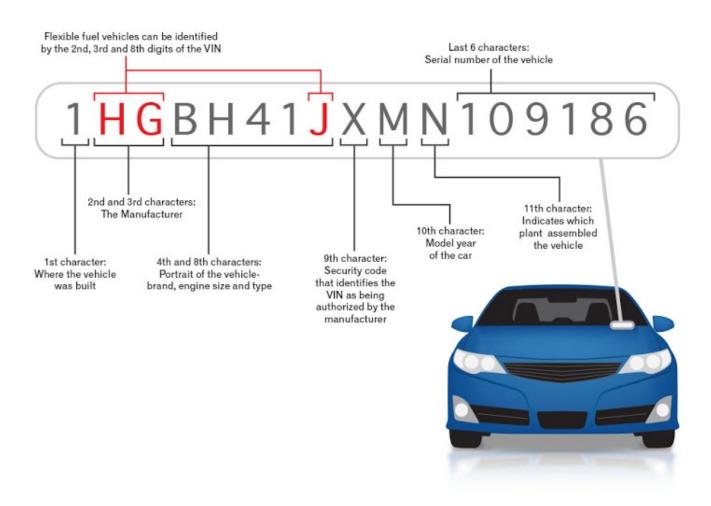
Enter Your First, Last Name, and anyone you are collaborating with for this exam. *
Re-enter Your First, Last Name and anyone you are collaborating with for this exam *
Noah and Spencer, are both renowned aficionados on the history of databases. They state that "a workgroup database is a(n)database and a desktop database is a(n)database" and they would be correct in this conclusion. *
distributed, single-user
multi-user, single-user
Cloud, local
multi-user, local
None of the above

Katie noticed that the database structure in a is stored as a	5 points
which are in nature to each other. *	
DBMS, collection of files, independent	
RDBMS, key/value Pairs, relational	
OBMS, collection of files, relational	
RDBMS, collection of files, independent	
None of the above	
Consider two scenarios. In the first scenario, at a local university the professors asked to determine who has been absent for that week and also to determine weekly basis. In the second scenario, a student who has not been attending classes track of how many times they have been absent. The student has asked the professors TA, Kelly, to calculate how many times they have been absent in each and to email them with this information as soon as possible. Which of the follow MOST correct regarding how Kelly should proceed? *	who has ation on a ass has e th class wing is
can be answered with a report.	
The first email can be answered with a report and does not contain derived attributes email can be answered as an ad-hoc query	s. The second
The first email can be answered with report containing derived attributes. The second answered with an ad-hoc query	d email can be
The first email can be answered with an ad-hoc query and does not contain derived a second email can be answered as a report and does not need derived attributes	ittributes. The
None of the above	

Which of the following statements are true? *	5 points					
The functions on two tables of Product>Select>Project are the steps for a natural join. If the unmatched values on the right hand side of the new table it is a left outer join.	ere are					
The functions on two tables of Product>Project are the steps for a natural join. If there are unmatched values on the right hand side of the new table it is a left outer join.						
The functions on two tables of Product>Select>Project are the steps for a natural join. If there are unmatched values on the right hand side of the new table it is a right outer join.						
The functions on two tables of Product>Select>Project are the steps for an equijoin. If there are unmatched values on the right hand side of the new table it is a right outer join.						
None of the above						
Consider the two "Select" statements below. What best describes them? *	5 points					
SELECT Orders.OrderID, Customers.CustomerName, Orders.OrderDate FROM Orders INNER JOIN Customers ON Orders.CustomerID=Customers.CustomerID;						
SELECT COUNT(ProductID) FROM Products;						
a tertiary relationship and a unary relationship						
a unary relationship and a binary relationship						
a binary relationship and a unary relationship						
a bi-directional relationship, and a uni-directional relationship						
None of the above						

Emma has purchased a new car. Doreen and Austin have noticed that the VIN has some 5 points interesting characteristics. In considering her new VIN noted in the following figure.

What type of attribute is the VIN? *



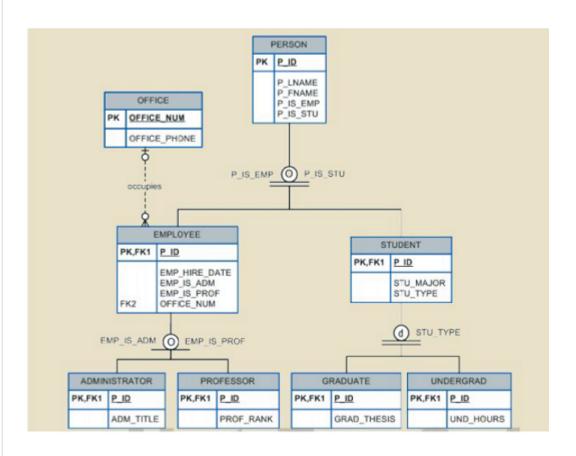
- An optional attribute
- A multivalued attribute
- A composite identifier
- A composite attribute
- None of the above

Mario and Tiffany have been hired as research assistants in the college of business to

5 points
assist with a database implementation. They receive the diagram noted below which
depicts a _____ and STU_TYPE, EMP_IS_PROF, EMP_IS_ADM are examples of

EMPLOYEE and STUDENT are examples of

*

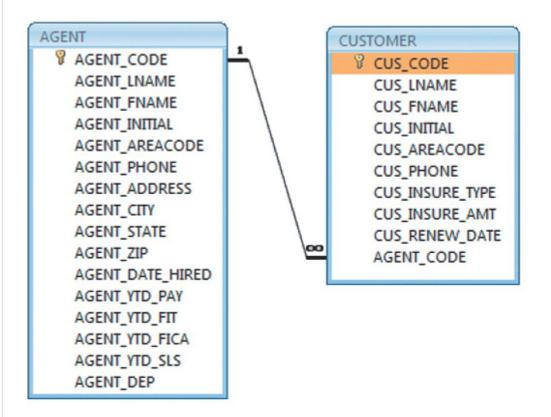


- SpecializationHeirarchy/ERD, Supertype Discriminators, Subtypes
- SpecializationHeirarchy/EERD, Subtype Discriminators, Supertypes
- SpecializationHeirarchy/EERD, Subtype Attributes, Supertypes/Subtypes
- SpecializationHeirarchy/EERD, Supertype Attributes, Supertypes/Subtypes
- None of the above

Tiffany, Neyland, and Josiah are working on yet another group project for one of their 5 points many classes at UAH. They receive a copy of the spreadsheet noted below. The spreadsheet is _____ and contains at least _____ Database name: Ch01_Text C_ZIP A_NAME C_NAME C_PHONE C_ADDRESS A_PHONE REN Alfred A. Ramas 615-844-2573 218 Fork Rd., Babs, TN 36123 Leah F. Hahn 615-882-1244 T1 100.00 05-Apr-2018 Leona K. Dunne 713-894-1238 Box 12A, Fox, KY 25246 Alex B. Alby 713-228-1249 T1 250.00 16-Jun-2018 Kathy VV. Smith 615-894-2285 125 Oak Ln, Babs, TN 36123 Leah F. Hahn 615-862-2144 S2 150.00 29-Jan-2019 Paul F. Olowski 615-894-2180 217 Lee Ln., Babs, TN 36123 Leah F. Hahn 615-862-1244 S1 300.00 14-Oct-2018 Myron Orlando 615-222-1672 Box 111, New, TN 36155 Alex B. Alby 713-228-1249 T1 100.00 28-Dec-2018 Amy B. O'Brian 713-442-3381 387 Troll Dr., Fox, KY John T. Okon 615-123-5589 T2 25246 850.00 22-Sep-2018 James G. Brown 615-297-1228 21 Tye Rd., Nash, TN 37118 Leah F. Hahn 615-882-1244 S1 120.00 25-Mar-2019 George Williams 615-290-2556 155 Maple, Nash, TN 37119 John T. Okon 615-123-5589 S1 250.00 17-Jul-2018 713-382-7185 2119 Bm, Crew, KY 713-228-1249 T2 100.00 03-Dec-2018 25432 Alex B. Alby Anne G. Farriss Olette K. Smith 615-297-3809 2782 Main, Nash, TN 37118 John T. Okon 615-123-5589 S2 500.00 14-Mar-2019 C NAME = Customer name A_NAME = Agent name C_PHONE = Customer phone A_PHONE = Agent phone C ADDRESS = Customer address = Insurance type = Customer zip code AMT = Insurance policy amount, in thousands of \$ REN = Insurance renewal date not in first normal form, two entities in first normal form, two primary keys in first normal form, two entities not in first normal form, two primary keys None of the above

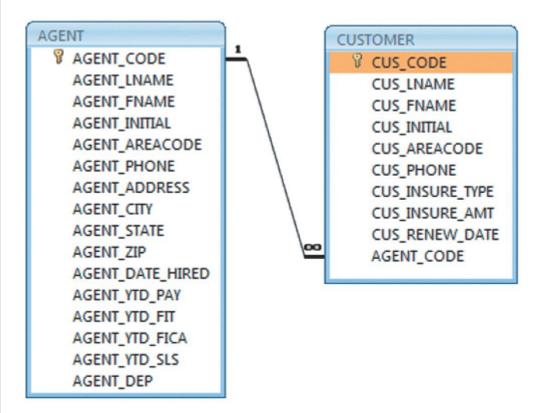
5 points

David, Justin, and Josh are working on migrating a database from a legacy Access system to Oracle. They have been given the figure below to assist them in this endeavor. The figure below denotes what type of figure? *



- Conceptual Model
- Entity Relation Diagram/Model
- External Model
- Relational Diagram
- None of the Above

Josh, Reece, and Vermeo are working on the same migration of a database from a 5 points legacy Access system to MySQL. They have been given the figure below to assist them in this endeavor. What is the foreign key in this relationship and what type of relationship does it depict? *

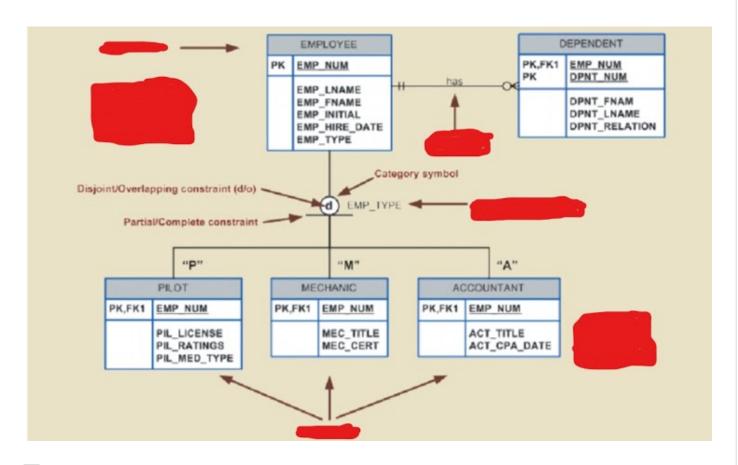


- Cus_Code, A 1:M relationship with AGENT_CODE and CUS_CODE as foreign keys
- Agent_Code, A M:N relationship with Agent_CODE and CUS_CODE as primary keys
- Cus_Code, A 1:M relationship with AGENT_CODE and CUS_CODE as primary keys
- Agent_Code, A 1:1 relationship with AGENT_CODE and CUS_CODE as primary keys
- None of the Above

Ellen loves to travel and noticed that on Delta.com there is a requirement to checking a flight that has been booked. The checkin requirements that Aditi needs to know analogous to a and the longest one requires attributes *	-
 composite primary key, 3 surrogate primary key, 4 surrogate primary key, 3 composite primary key, 4 None of the above 	
What is needed to establish a connection with the MySQL server in this instance?	* 5 points
What is needed to establish a connection with the MySQL server in this instance? use port 3305	* 5 points
	* 5 points
use port 3305	* 5 points
use port 3305 use port 3306	* 5 points
use port 3305use port 3306✓ use port 3307	* 5 points

Elayna is attempting to execute a DDL statement and keeps receiving an error message. 5 points Lauren review's her SQL syntax which is noted below. What is missing? (Order is important) * `countries` (`COUNTRY_ID` varchar(2) NOT NULL, `COUNTRY_NAME` (40), `REGION_ID` (10,0), ('COUNTRY_ID'), KEY 'COUNTR_REG_FK' ('REGION_ID')); {Create}{Varchar}{Primary Key} {Key} {Create Table}{varchar} {decimal}{ Key} {Create}{varchar} {decimal}{ Primary Key} {Create Table}{varchar} {decimal}{ Primary Key} None of the above Stephen is attempting to execute a SQL statement in which he must use the IN operator 5 points to select all the records where Country is either "Norway" or "France" and keeps receiving an error message. Jonathan review's and corrects his SQL syntax. What is the correct syntax that Stephen uses? * SELECT (DISTINCT) * FROM Customers WHERE Country IN('Norway','France'); SELECT * FROM Customers WHERE Country IN('Norway', France'); SELECT * FROM Customers WHERE Country ('Norway', France'); SELECT * FROM Customers IN Country IN('Norway','France'); None of the Above

An entity containing one or more derived attributes is in what normal form? *	5 points
O 1NF	
2NF	
○ 3NF	
○ 4NF	
BCNF	
What would happen if the building KOM were deleted *	5 points
Nothing	
Two or more teacher's records would be completely deleted from the file	
Three or more teacher's records would be completely deleted from the file	
One or more teacher's records would be completely deleted from the file	



- Employee is a subtype
- Employee is a supertype
- There is a disjoint constraint
- There is an overlapping constraint
- There is a partial constraint
- Employee is a one to many relationship with Pilot, Mechanic, and Accountant
- Employee is a one to one relationship with Pilot, Employee, and Accountant
- The figure depicts an ERD
- ✓ The figure depicts an EERD

2, structured, unstructured 4, semistructured 3, structured, semistructured 3, unstructured, semistructured None of the above Isaiah, has been diligently practicing his SQL scripting on the website that Dr. Avery mentioned in class. He comes across a question on the final exam which states that he needs to create a query which selects all records from the Customer's table, sorts the result alphabetically, first by the column Country, then, by the column City. What answer should Isaiah choose? * SELECT * FROM Customers ORDER BY Country, City; SELECT * FROM Customers ORDER ALPHA Country, City; SELECT * FROM Customers ORDER WITH Country, City; None of the above	Carter has been doing some digging to expand her analytics. She noticed that databases could be classified by their data structure types. There are primary types of data structures. Where data is most used in traditional DBMS and to some extent could be used as well if it is properly prepared. *	5 points
 3, structured, semistructured 3, unstructured, semistructured None of the above Isaiah, has been diligently practicing his SQL scripting on the website that Dr. Avery mentioned in class. He comes across a question on the final exam which states that he needs to create a query which selects all records from the Customer's table, sorts the result alphabetically, first by the column Country, then, by the column City. What answer should Isaiah choose? * SELECT * FROM Customers ORDER BY Country, City; SELECT * FROM Customers ORDER ALPHA Country, City; SELECT * FROM Customers ORDER WITH Country, City; SELECT * FROM Customers ORDER WITH Country, City;	2, structured, unstructured	
3, unstructured, semistructured None of the above Isaiah, has been diligently practicing his SQL scripting on the website that Dr. Avery mentioned in class. He comes across a question on the final exam which states that he needs to create a query which selects all records from the Customer's table, sorts the result alphabetically, first by the column Country, then, by the column City. What answer should Isaiah choose? * SELECT * FROM Customers ORDER BY Country, City; SELECT * FROM Customers ORDER ALPHA Country, City; SELECT * FROM Customers ORDER WITH Country, City;	4, semistructured, structured	
Isaiah, has been diligently practicing his SQL scripting on the website that Dr. Avery mentioned in class. He comes across a question on the final exam which states that he needs to create a query which selects all records from the Customer's table, sorts the result alphabetically, first by the column Country, then, by the column City. What answer should Isaiah choose? * SELECT * FROM Customers ORDER BY Country, City; SELECT * FROM Customers ORDER ALPHA Country, City; SELECT * FROM Customers ORDER ALPHA Country, City;	3, structured, semistructured	
Isaiah, has been diligently practicing his SQL scripting on the website that Dr. Avery mentioned in class. He comes across a question on the final exam which states that he needs to create a query which selects all records from the Customer's table, sorts the result alphabetically, first by the column Country, then, by the column City. What answer should Isaiah choose? * SELECT * FROM Customers ORDER BY Country, City; SELECT * FROM Customers ORDER ALPHA Country, City; SELECT * FROM Customers ORDER ALPHA Country, City;	3, unstructured, semistructured	
mentioned in class. He comes across a question on the final exam which states that he needs to create a query which selects all records from the Customer's table, sorts the result alphabetically, first by the column Country, then, by the column City. What answer should Isaiah choose? * SELECT * FROM Customers ORDER BY Country, City; SELECT * FROM Customers ORDER Country, City; SELECT * FROM Customers ORDER ALPHA Country, City;	None of the above	
SELECT * FROM Customers ORDER Country, City; SELECT * FROM Customers ORDER ALPHA Country, City; SELECT * FROM Customers ORDER WITH Country, City;		
SELECT * FROM Customers ORDER ALPHA Country, City; SELECT * FROM Customers ORDER WITH Country, City;	mentioned in class. He comes across a question on the final exam which states that he needs to create a query which selects all records from the Customer's table, sorts the result alphabetically, first by the column Country, then, by the column City. What answer	5 points
SELECT * FROM Customers ORDER WITH Country, City;	mentioned in class. He comes across a question on the final exam which states that he needs to create a query which selects all records from the Customer's table, sorts the result alphabetically, first by the column Country, then, by the column City. What answer should Isaiah choose? *	5 points
	mentioned in class. He comes across a question on the final exam which states that he needs to create a query which selects all records from the Customer's table, sorts the result alphabetically, first by the column Country, then, by the column City. What answer should Isaiah choose? * SELECT * FROM Customers ORDER BY Country, City;	5 points
None of the above	mentioned in class. He comes across a question on the final exam which states that he needs to create a query which selects all records from the Customer's table, sorts the result alphabetically, first by the column Country, then, by the column City. What answer should Isaiah choose? * SELECT * FROM Customers ORDER BY Country, City; SELECT * FROM Customers ORDER Country, City;	5 points
	mentioned in class. He comes across a question on the final exam which states that he needs to create a query which selects all records from the Customer's table, sorts the result alphabetically, first by the column Country, then, by the column City. What answer should Isaiah choose? * SELECT * FROM Customers ORDER BY Country, City; SELECT * FROM Customers ORDER Country, City;	5 points

lies	. Particula	arly, add	ing a new a	gent	will cre	eate		_ and	this can b	e resolved
ing		or crea	ating a new	entit	y. *					
E 1 7	CONTENT	TC OF THE	CUSTOMER							
E 1./	CONTEN	IS OF THE	CUSTOMER	ILE						
								Databa	se name: Ch01	_Text
	C_NAME	C_PHONE	C_ADDRESS	C_ZIP	A_NAME	A_PHONE	TP	AMT	REN	
	Alfred A. Ramas	615-844-2573	218 Fork Rd., Balos, TN	36123	Leah F. Hahn	615-882-1244	T1	100.00	05-Apr-2018	
	Leona K. Dunne	713-894-1238	Box 12A, Fox, KY	25246	Alex B. Alby	713-228-1249	T1	250.00	16-Jun-2018	
	Kathy VV. Smith		125 Oak Ln, Babs, TN	36123	Leah F. Hahn		_	150.00	29-Jan-2019	
			217 Lee Ln., Babs, TN	36123	Leah F. Hahn		-	300.00	14-Oct-2018	
	Myron Orlando		Box 111, New, TN 387 Troll Dr., Fox, KY	36155 25246	Alex B. Alby John T. Okon	713-228-1249 615-123-5589	-	100.00 850.00	28-Dec-2018 22-Sep-2018	
			21 Tye Rd., Nash, TN	37118	_	615-882-1244		120.00	25-Mar-2019	
			155 Maple, Nash, TN	37119	John T. Okon		-	250.00	17-Jul-2018	
			2119 Elm, Crew, KY	25432	Alex B. Alby	713-228-1249	T2	100.00	03-Dec-2018	
	Olette K. Smith	615-297-3809	2782 Main, Nash, TN	37118	John T. Okon	615-123-5589	S2	500.00	14-Mar-2019	
	C_NAME :	= Customer n	ame	A N	AME = Ag	ent name				
		= Customer p			HONE = Ag					
	C_ADDRESS :			TP		urance type				
	C_ZIP :	= Customer z	ip code	AMT	= Ins	urance policy	amou	ınt, in th	ousands of \$	
				REN	= Ins	urance renew	al dat	e		
dat	e deletion	insertion	n}{blank value	26} {ii	nnut}					
uut	c, aciction,	, illisertioi	i) (blailk value	اا) رد.	iputj					
dat	e. deletion.	insertion	n}{null values	} {fla	as}					
	0, 00.00.0	,	., (, (90)					
dat	e, deletion,	, insertior	n){null values]	} {inp	ut}					
		•		, ,	•					
ta i	ntegrity, da	ata redun	dancy}{null va	alues	} {input}					
·u·										

BONUS: Insert the screenshots of your Coding Exercise 1 credit will be given for 3+ completed exercises.

5 points