A5

(!) This is a preview of the published version of the quiz

Started: Nov 16 at 10:47am

Quiz Instructions

This test has a time limit of 75 mins.

This test will save and submit automatically when the time expires.

Once started, this test must be completed in one sitting. Do not leave the test before clicking Save and Submit.

Access Code: A5

Assignment 5 preview.pdf

premiere.sql	1
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Question 1	3 pts
Normalization is	
☐ the process for evaluating and correcting table structures to minimize data redundancies.	
the process for evaluating and correcting table structures to reduce the likelihood of data anomalies.	
the process for evaluating and correcting table structures to eliminate data redundancies.	
the process for evaluating and correcting table structures to minimize and/or eliminate data integrity problems.	l

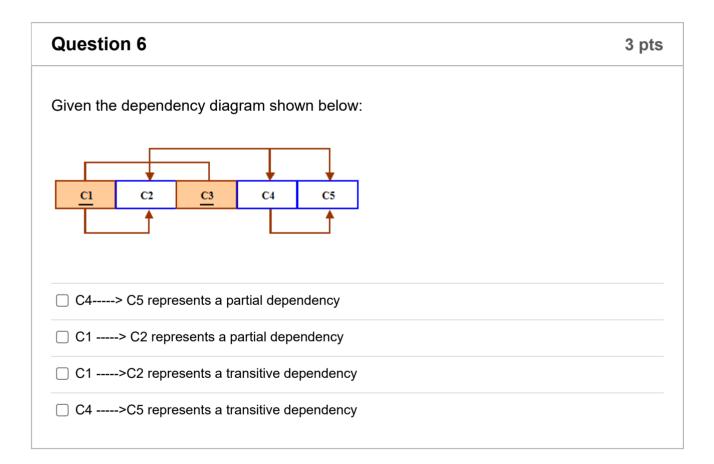
Question 2	3 pts
A table in 1NF when	
it includes no partial dependencies and it contains no transitive dependencies.	

 all the key attributes are defined (no repeating groups in the table), all remaining attributes are dependent on the primary key, and it includes no partial dependencies. 	
0	all the key attributes are defined (no repeating groups in the table) and when all remaining attributes are dependent on the primary key.
0	very determinant in the table is a candidate key and it contains no multivalued dependencies.

Question 3	3 pts
A table is in 2NF when	
when it includes no partial dependencies and it contains no transitive dependencies.	
 when all the key attributes are defined (no repeating groups in the table) and when all rema attributes are dependent on the primary key. 	aining
 when every determinant in the table is a candidate key and it contains no multivalued dependencies 	
 all the key attributes are defined (no repeating groups in the table), all remaining attributes dependent on the primary key, and it includes no partial dependencies. 	are

Question 4	3 pts
A table is in 3NF when	
 when it includes no partial dependencies and it contains no transitive dependencies. 	
 all remaining attributes are dependent on the primary key, and it includes no partial dependencies. 	
 all the key attributes are defined (no repeating groups in the table) and when all remaining attributes are dependent on the primary key. 	
o every determinant in the table is a candidate key and it contains no multivalued dependence	es.

A table is in BCNF when when it includes no partial dependencies and it contains no transitive dependencies. all remaining attributes are dependent on the primary key, and it includes no partial dependencies. all the key attributes are defined (no repeating groups in the table) and when all remaining attributes are dependent on the primary key. every determinant in the table is a candidate key.

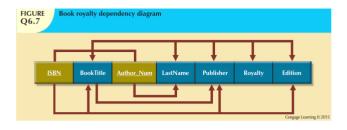


Question 7 20 pts

The dependency diagram in Figure Q6.7 indicates that authors are paid royalties for each book that they write for a publisher. The amount of the royalty can vary by author, by book, and by edition of the book.

Based on the dependency diagram shown in the textbook, create a diagram whose tables are at least in 2NF, showing the dependency diagram for each table.

Please only upload the **PNG**!



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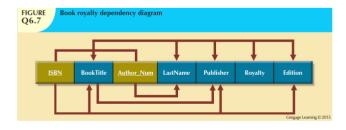
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Question 8 20 pts

The dependency diagram in Figure Q6.7 indicates that authors are paid royalties for each book that they write for a publisher. The amount of the royalty can vary by author, by book, and by edition of the book.

Based on the dependency diagram shown in the textbook, create a diagram whose tables are at least in 3NF, showing the dependency diagram for each table.

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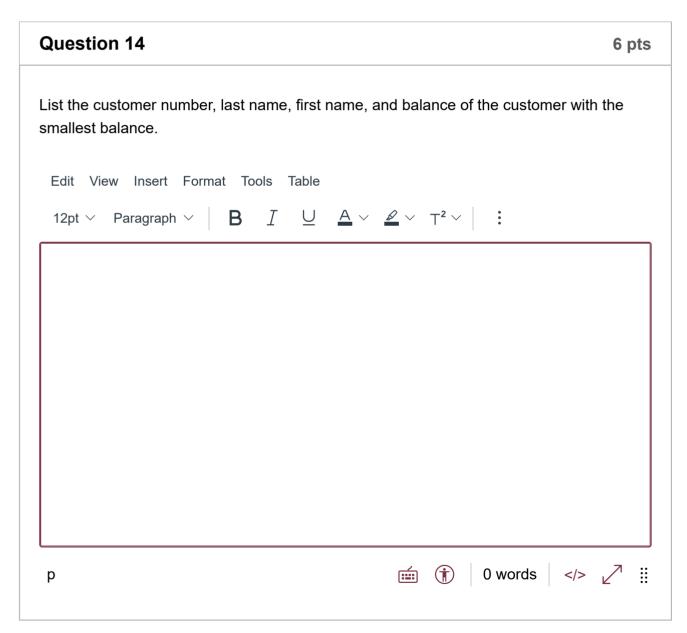
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Question 9 3 pts

0	A partial dependency exists when a nonprime attribute is dependent on another nonprime attribute.
0	A partial dependency exists when a prime attribute is dependent on only a portion of the primary key.
0	A partial dependency exists when a nonprime attribute is dependent on only a portion of the primary key.
0	A partial dependency exists when the value of one attribute is determined by the value of anothe attribute.
Įι	ıestion 10
Ö	remove a transitive dependency, the designer must
	modify the table so that the determinant in the table that is not a candidate key becomes the component of the primary key.
	place the attributes that create the transitive dependency in a separate table.
	create tables that do not contain independent multivalued dependencies.
	Make sure that the new table's primary key attribute is the foreign key in the original table.
Įι	uestion 11 3 p
S	urrogate key is
	an artificial PK introduced by the designer , whose values match the superkey values in the related tables.
	an artificial PK introduced by the designer with the purpose of simplifying the assignment of

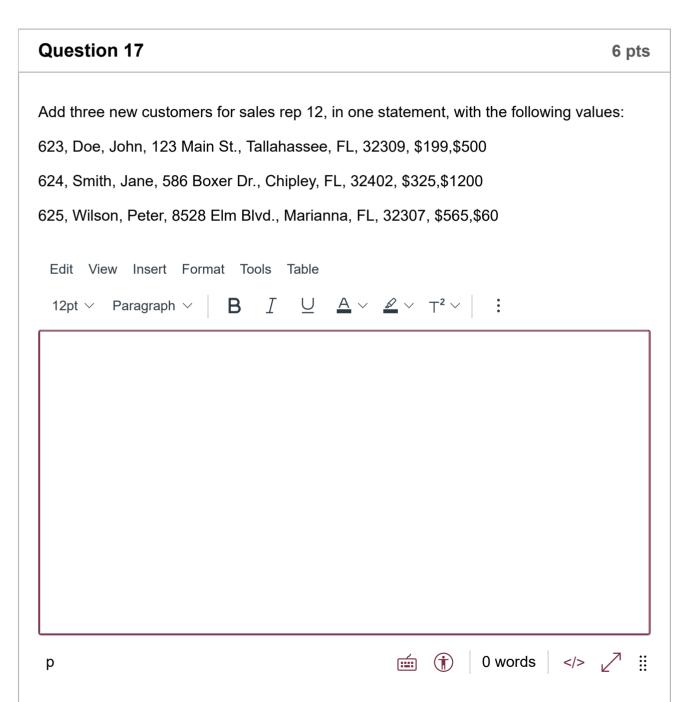
Question 12	3 pts
Why is a table whose primary key consists of a single attribution it is in 1NF?	ute automatically in 2NF when
A dependency based on only a part of a composite primary key Therefore, if the PK is a composite attribute, there can be no pa	
A dependency based on only a part of a composite primary key Therefore, if the PK is a single attribute, there can be no partial of the primary key	
 A dependency based on only a part of a composite primary key Therefore, if the PK is a superkey, there can be no partial dependence. 	-
A dependency based on only a part of a composite primary key Therefore, if the PK is also a foreign key, there can be no partial	
	6 pts
Question 13	υ ρισ
Question 13 Use the Premiere database schema to answer the quest query statements (3pts) and query results (3pts)for que List customer first, last names and balances, format dollar a including dollar sign (\$), order by balance in descending order.	tions below. Attach both stion 14-19.
Use the Premiere database schema to answer the quest query statements (3pts) and query results (3pts)for que List customer first, last names and balances, format dollar a	tions below. Attach both stion 14-19.





Question 15 6 pts

Remove all customers from sales rep number 03, and whose credit limit is greater than or equal to \$1500. Edit View Insert Format Tools Table **★** 0 words </> ✓ **※** p **Question 16** 6 pts Update part prices with a 10% discount on all parts whose price is greater than or equal to \$150. Edit View Insert Format Tools Table 12pt \vee Paragraph \vee B I $\underline{\cup}$ $\underline{A} \vee \underline{\mathscr{D}} \vee \top^2 \vee$



Question 18 0 pts

(+5pts Extra Credit)

Display all customers' first and last names, streets, cities, states, and zip codes, however, display the query result set as follows (in descending order of zip code):

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12pt \vee Paragraph \vee B I \underline{\cup} \underline{\triangle} \vee \underline{\mathscr{D}} \vee \top^2 \vee :
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