INFO90002 Database System & Information Modeling CPU·火箭班·02

时间: 10.16 20:00~22:00

讲师:Jeams 学长

课程内容:

● 针对 Quiz 2 的习题训练与讲解

○ UPDATE RESTRICT

● 以下所有题目均出自往年 Quiz 真题,属于墨大官方题库!

ER-Modeling	
Question 9	2 pts
All known items belonging to an entity form a(an)	
ofully related entity	
o entity set	
relational entity	
○ relational set	
Question 3	2 pts
A constraint that specifies the cardinality of a relatake part 'one' or 'many' times – is referred to as a	
one to many (1:M) constraint	
O participation constraint	
○ key constraint	
O domain constraint	
	_
Question 4	2 pts
Which of the following is an attribute type	
○ foreign key	
oprimary key	
O deriviative	
○ composite	
Question 11	2 pts
Which of the following is a foreign key constraint to	type?
○ INSERT CASCADE	
○ INSERT DELETE	
O LIDDATE DELETE	

modelling?



[Normalization]

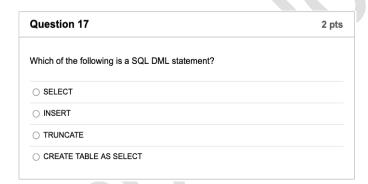
What statement best explains a partial functional dependency in Normalisation? partial functional dependency is where a non key attribute is associated with only part of the key attribute of the entity partial functional dependency is where an attribute is not associated with another non key attribute partial functional dependency is when an insert, update or delete anomoly is still possible partial functional dependency occurs when there are multiple key attributes in an entity

Question 19	2 pts
Which of the following is a normalisation anomaly?	
grant anomoly	
o delete anomoly	
orevised anomoly	
○ ceate anomoly	



[SQL]

Question 5	2 pts
Which of the following is a SQL DDL statement?	
CREATE TABLE AS SELECT	
○ GRANT	
○ SELECT	
○ UPDATE	

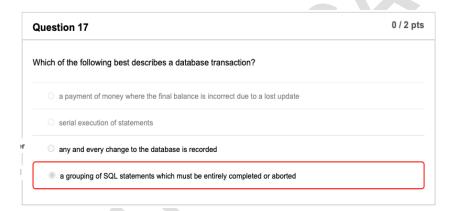




[Transaction]

Question 15	2 / 2 pts
CHECKPOINT is	
Involved with database recovery	
SQL DDL	
Transaction Management keyword	
O SQL DCL	

Which of the following statements best explains the SQL statement ROLLBACK? Rolls back all transactions to the last checkpoint is a SQL transaction statement Rolls back all SQL statements to the beginning of the transaction The statement is not valid SQL



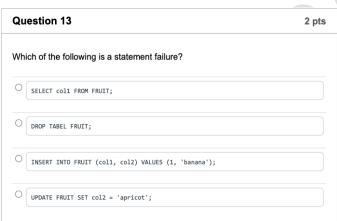
[Indexing]

Question 2	2 pts
Which of the following is a property of clustered indexes	
an unlimited number of clustered indexes	
A data file can have only one clustered index	
clustered indexes are inexpensive to maintain when compared with unclustrations.	stered indexes
 data retrieval with a clustered index is more expensive than having no ind data file 	ex at all on the

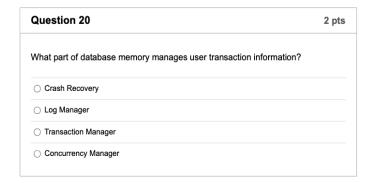
[DBMS]

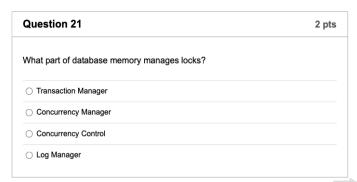
Question 15	2 pts
What part of database memory manages B+ tree index data?	
○ Buffer Pool	
○ Storage	
Olisk space management	
○ File and Access Methods	

Question 1	2 pts
Which of the following is a type of database failure	
on input device (card reader) no longer functions	
A laptop crashes before an online purchase is completed	
O an employee changes job roles and can no longer see the human resources data	
A user issues a rollback statement because they notice an error	



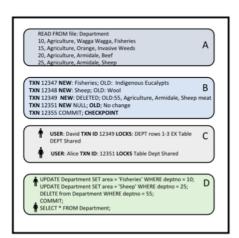
Question 10	2 pts
What part of database memory manages the execution plan of an SQL statement?	
Optimizer	
○ Transaction Manager	
○ Executor	
○ Concurrency Manager	





Question 14 2 pts

Which of the following areas of Database memory is labelled "D"



Executor in Query Processing
Ouery Processing
O Parser/Compliler in Query Processing
Transaction Manager in Query Processing

[Backup]

Question 24	2 pts
Data stored in separate physical and logical databases is known as	
Horizontally segregated partitions	
Horizontally partitioned databases	
Decentralized independent partitions	
O Decentralized dependent partitions	

[NoSQL]

Question 6	2 pts
Which of the following is NOT a characteristic of "big" data	
ovariety	
○ volume	
o veracity	
O velocity	

Question 7	2 pts
Key-Value NoSQL databases can store	
○ JSON files	
○ All of the above (A,B and C)	
O Pictures	
○ Arrays	

[WEB]

Question 8 2 pts Inspect the following HTML file: <!DOCTYPE html PUBLIC "-/W3C//DTD HTML 4.01//EN" "http://www.w3.org/TR/html4/strict.dtd"> <html> <head> <title> IMDB Top 10 Films</title> <style> body { background-color: yellow; } } h1 color: blue; text-align: center; font-family: verdana; p color: green; font-family: American Typewriter; 34 35 </body> 36 </html> What color is the text 'This is a html file' ? O Can not be determined Yellow O Default (black) O Green Can you identify the third highest film from this information? Unable to determine that information from the code provided No, the list is an unordered list Yes, the list is ordered and the film is 'The Dark Knight' While it the film list could have been listed in order, it is displayed as an unordered list and can not be determined