

1. What is an alternative name for a weak entity?

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Database Management Systems

PUZZLES

a. Dominant
b. Owner
c. Child
d. All of the above
Answer: (c) Child
2. We can add or remove the user IDs using which of these fixed roles?
a. db_setupadmin
b. db_securityadmin
c. db_accessadmin
d. db_sysadmin
Answer: (c) db_accessadmin
3. Section (sect name, wing, expenses) and Student (student_ID, name, sect name, fees).
Here in both of these relations, the sect_name attribute appears commonly. In this case, using common attributes in the relation schema is a way in which we can relate the relations.
a. Tuple of common
b. Attributes of common
c. Attributes of distinct
d. Tuple of distinct
Answer: (d) Tuple of distinct

SELECT title
FROM teacher
WHERE fees BETWEEN 80000 AND 2000000;
Answer: (d)
SELECT title
FROM teacher

5. Which symbol do we use in place of the except?

WHERE fees BETWEEN 80000 AND 200000;

a. ~
b. ¬
c. V
d. ^
Answer: (b) ¬
6. What is an alternative name for a weak entity?
a. Dominant
b. Owner
c. Child
d. All of the above
Answer: (c) Child
7. Assume a relation X (M, N, O, P, Q) that has the following functional dependencies:
MNO -> PQ and
P -> MN
$P \rightarrow MN$ The total number of superkeys of X would be:
The total number of superkeys of X would be:
The total number of superkeys of X would be: a. 12
The total number of superkeys of X would be: a. 12 b. 10
The total number of superkeys of X would be: a. 12 b. 10 c. 7
The total number of superkeys of X would be: a. 12 b. 10 c. 7 d. 2
The total number of superkeys of X would be: a. 12 b. 10 c. 7 d. 2 Answer: (b) 10
The total number of superkeys of X would be: a. 12 b. 10 c. 7 d. 2 Answer: (b) 10 8. Fifth Normal form is concerned with:
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The total number of superkeys of X would be: a. 12 b. 10 c. 7 d. 2 Answer: (b) 10 8. Fifth Normal form is concerned with: a. Join dependency b. Domain-key

a. Response
b. Challenge-response
c. Manipulation
d. Readable
Answer: (b) Challenge-response
10. We can force a log switch by using:
a. ALTER SYS LOGFILES
b. ALTER SYSTEM SWITCH LOGS
c. ALTER SYSTEM LOG
d. ALTER SYSTEM SWITCH LOGFILE
Answer: (d) ALTER SYSTEM SWITCH LOGFILE
11. When recovering from a failure:
a. examination of each pair of physical blocks occurs
b. examination of a specified pair of physical blocks occurs
c. examination of the first pair of physical blocks occurs
d. none of the above
Answer: (a) examination of each pair of physical blocks occurs
12. The Optical disk technology utilises:
a. RAID
b. A laser beam
c. DAT
d. Helical scanning
Answer: (a) RAID
13. The node pointing towards another node in a B+ tree is known as:
a. External node

9. The _____ system does not require a password to travel across the internet.

c. Internal node
d. Final node
Answer: (c) Internal node
14. Identify the statement among the following that is FALSE:
a. The relation in which all keys have only a single attribute is in its 2NF
b. A relation that has two attributes is in its BCNF
c. The prime attribute can depend transitively on any key in the case of a relation that is in its BCNF
d. The prime attribute can depend transitively on any key in the case of a relation that is in its 3 NF
Answer: (c) The prime attribute can depend transitively on any key in the case of a relation that is in its BCNF
15. A transaction enters into its state when it finishes the final statement.
a. Abort state
b. Partially committed state
c. Committed state
d. Active state
Answer: (b) Partially committed state
16. An operator shall provide the transaction file's name, and the file consisting of the edited transactions (that are ready for execution) must be called:
a. Trans. Exe
b. Batch. Exe
c. Edit. Exe
d. Opt. Exe
Answer: (d) Opt. Exe
17. In crabbing, the protocol locking goes:

b. Leaf node

a. down the tree, back up
b. up the tree, back down
c. down the tree, releases
d. up the tree, releases
Answer: (a) down the tree, back up
18. The name of the very first microprocessor chip available commercially was:
a. Intel 4004
b. Intel 639
c. Intel 308
d. Motorola 33
Answer: (a) Intel 4004
19. The easiest way in which we can transfer control is when the old backup site sends to the old primary.
a. Redo logs
b. Primary Logs
c. Undo Logs
d. All of the above
Answer: (b) Primary Logs
20. A linear search algorithm's complexity would be:
a. O(n2)
b. O(n log n)
c. O(n)
d. O(log n)
Answer: (c) O(n)