#1. Which normal form allows a relation to be in 5NF and eliminates join
dependencies?
Sixth Normal Form (6NF)
Fifth Normal Form (5NF)
Fourth Normal Form (4NF)
Third Normal Form (3NF)
Second Normal Form (2NF)
#2. What is the primary goal of normalization in database design?
Minimizing redundancy and dependency
Maximizing data duplication
Simplifying query complexity
Maximizing data retrieval speed
Enhancing foreign key constraints
#3. Which normal form eliminates partial and transitive dependencies on a
composite primary key?
Fifth Normal Form (5NF)

Fourth Normal Form (4NF)
Third Normal Form (3NF)
Second Normal Form (2NF)
First Normal Form (1NF)
#4. What does the term "superkey" refer to in the context of database normalization?
A set of attributes that uniquely identifies a tuple
A primary key in a table
A foreign key in another table
A composite key in a relation
A candidate key in a table
#5. Which normal form allows a relation to be in 1NF and removes repeating
groups?
First Normal Form (1NF)
Second Normal Form (2NF)
TI' IN I I (2NE)
Third Normal Form (3NF)
Fourth Normal Form (4NF)
Fourth Normal Form (4NF)

Fifth Normal Form (5NF) #6. What is a composite key in the context of database normalization?
□ A key made up of multiple attributes □ A primary key with a single attribute □ A foreign key with a single attribute □ A unique key with a single attribute □ A secondary key with a single attribute □ A secondary key with a single attribute #7. Which normal form allows a relation to be in 2NF and removes partial
dependencies?
Second Normal Form (2NF) Third Normal Form (3NF) Fourth Normal Form (4NF) Fifth Normal Form (5NF) Sixth Normal Form (6NF) #8. What is the key difference between 4NF (Fourth Normal Form) and BCNF (Boyce-Codd Normal Form)?
☐ Handling multivalued dependencies ☐

Handling transitive dependencies
Handling partial dependencies □
Handling join dependencies
Handling functional dependencies
#9. What is a functional dependency in the context of database normalization?
A relationship between tables
A connection between databases
A correlation between records
A hierarchy between data items
A dependency between two attributes
#10. Which normal form allows a relation to be in 3NF and removes transitive
dependencies between non-prime attributes?
Boyce-Codd Normal Form (BCNF)
Second Normal Form (2NF)
Third Normal Form (3NF)
Fourth Normal Form (4NF)
Fifth Normal Form (5NF)

#11. What is a transitive dependency in the context of database normalization?
A dependency between two attributes through another attribute \Box
A direct dependency between two attributes
A dependency between two tables
A dependency between two databases
A dependency between records
#12. Which normal form allows a relation to be in 4NF and removes multivalued dependencies?
Fourth Normal Form (4NF)
Third Normal Form (3NF)
Second Normal Form (2NF)
Fifth Normal Form (5NF)
Sixth Normal Form (6NF)
#13. What is the primary objective of normalization in database design?
Minimizing redundancy and dependency
Maximizing data duplication ☐
Simplifying query complexity

Maximizing data retrieval speed
Enhancing foreign key constraints
#14. Which normal form eliminates the possibility of a transitive dependency between non-key attributes?
Fourth Normal Form (4NF)
Second Normal Form (2NF)
Third Normal Form (3NF)
Fifth Normal Form (5NF)
Sixth Normal Form (6NF)
#15. In which normal form are non-prime attributes fully functionally dependent on every candidate key of the relation?
every candidate key of the relation:
Fourth Normal Form (4NF)
Second Normal Form (2NF)
Third Normal Form (3NF)
Fifth Normal Form (5NF)
Sixth Normal Form (6NF)
#16. What does the term "candidate key" refer to in normalization?

A set of attributes that uniquely identify a tuple
A unique constraint on a table
A foreign key in another table
A primary key in another table
A composite key in a relation
A composite key in a relation #17. What is the present of decomposing a relation into smaller, more
#17. What is the process of decomposing a relation into smaller, more
manageable relations called?
Normalization
Denormalization
Decomposition
Redundancy
Aggregation
#18. Which normal form allows a relation to be in 2NF and removes partial
dependencies on a composite primary key?
Third Normal Form (3NF)
Second Normal Form (2NF)
Fourth Normal Form (4NF)

Fifth Normal Form (5NF)
Sixth Normal Form (6NF)
#19. What is a partial dependency in the context of database normalization?
A dependency between two attributes
A dependency between three or more attributes $\hfill\Box$
A dependency between two tables $\hfill\Box$
A dependency between two databases □
A dependency between records
#20. Which normal form ensures that non-key attributes are fully functionally dependent on the primary key?
First Normal Form (1NF)
Second Normal Form (2NF)
Third Normal Form (3NF)
Fourth Normal Form (4NF)
Eifth Normal Form (ENE)
Fifth Normal Form (5NF)
Next

Results

