



## VTU Edusat Session

### SQL Basics – Understanding Database Objects

1. Where SQL was first designed?
  - a. IBM
  - b. Oracle
  - c. MIT
  - d. NASA
2. The statement `GRANT SELECT ON CORPDATA.EMPLOYEE TO JOHN` grants a select privilege to John on the table `CORPDATA.EMPLOYEE`. What kind of SQL Component is this?
  - a. Data Definition Language
  - b. Data Manipulation Language
  - c. Data Control Language
3. Name any three built-in data types.
4. What are the object-relational capabilities of DB2 related to data types?
5. Are the rows in a table mandatory - ordered in the order in which they are inserted?
6. What are the two possibilities to use a TABLE in a SQL Statement?
7. For the database object `CORPDATA.EMPLOYEE`, what is the schema name?
8. If user John has logged into a server with ID JOHN, and created a table T1 without specifying the schema name, what will be the complete name (schema name.object name) of this table?
9. How to find the schema name for the current session?
10. If I have declared a temporary table `TEMPT1` for my application, what is the complete name (schema name.object name) of this table?
11. Can a DMS table space hold the same type of table as an SMS table space?
12. What is the name of the default table space in which user created tables will be stored?
13. A company database has a single employee table, holding data about employee family details as well as salary details. How can I ensure that the finance dept person does not see the employee family details?
14. When I am trying to create an index on a object WINDOW, the operation fails. However, `SELECT * ON WINDOW` is successful. What kind of an object is WINDOW?



15. A table T1 has columns C1, C2, and C3. Is it possible to create an index I1 on all the three columns C1, C2 and C3?
16. Is it advisable to have indexes on all columns of a table? If not, why?
17. A database by name VTUTEST was just created. Does this have a buffer pool? What is the name of this buffer pool?
18. How to find out what all bufferpools are there in a database?
19. What are the two types of locks DB2 support?
20. What is "write-ahead" logging?
21. What is the maximum size of a log file in DB2 UDB V8?
22. What all are the default table spaces created during a CREATE DATABASE?
23. We have created a database with SMS table spaces. Can you modify the CREATE DATABASE command so that DMS table spaces can be used, instead of SMS table spaces?