

## JDBC Questions

1. What is JDBC? List Functions and applications of JDBC
2. Describe 2-tier architecture with neat labelled diagram, advantages and disadvantages.
3. Describe 3-tier architecture with neat labelled diagram, advantages and disadvantages
4. List JDBC drivers and explain type-2 driver with neat labelled diagram, advantages.
5. List JDBC drivers and explain type-3 driver with neat labelled diagram, advantages.
6. List JDBC drivers and explain type-1 driver with neat labelled diagram, advantages.
7. Write a program to display all records from Student table having fields Roll Number ,name and percentage using JDBC,
8. Write the use of 1. DriverManager 2.. Connection 3. Statement interfaces
9. Give correct numbers for following steps for JDBC Program
  1. Close connection
  2. Define URL for connecting it to database
  3. Load Driver using class.forName()(optional for higher versions of Java)
  4. Use Statement object & execute SQL query
  5. Establish a connection to database using getConnection() & DriverManager object
  6. Create Statement object & use createStatement()
  7. Process Result
  8. Create datasource
10. List steps for writing JDBC Program
11. why getConnection() method is important for JDBC programm. Give various syntax of getConnection() method
12. Describe five navigation methods of ResultSet class with use and syntax of each.
13. How and when to use preparedStatement interface? Write a code only for creating dynamic SQL statement that takes first name and last name as two parameters and display all records available in employee table
14. Describe the use of following methods of Statement interface with use,syntax and example
  1. executeQuery()
  2. executeUpdate()
  - 3.execute()