**Exam on JDBC (1hr 30min)**

**Instruction: Please create a new repository named (jdbc\_exam\_12\_12\_22) on your respective git hub account and submit the exam and add me (abhi.gayen89@gmail.com) as collaborator over there.**

**Part – A:**

1. **Which of the following is advantage of using JDBC connection pool?**
2. Slow performance
3. Using more memory
4. Using less memory
5. Better performance
6. **Which of the following is advantage of using PreparedStatement in Java?**

A) Slow performance

B) Encourages SQL injection

C) Prevents SQL injection

D) More memory usage

1. **What does setAutoCommit(false) do?**
2. commits transaction after each query
3. explicitly commits transaction
4. does not commit transaction automatically after each query
5. never commits transaction
6. **Which of the following is used to rollback a JDBC transaction?**  
   A) rollback()

B) rollforward()  
C) deleteTransaction()  
D) RemoveTransaction()

1. **Select the packages in which JDBC classes are defined?**
2. jdbc and javax.jdbc
3. rdb and javax.rdb
4. jdbc and java.jdbc.sql
5. sql and javax.sql
6. **What is the correct sequence to create a database connection?**

**i. Import JDBC packages.**

**ii. Open a connection to the database.**

**iii. Load and register the JDBC driver.**

**iv. Execute the statement object and return a query resultset.**

**v. Create a statement object to perform a query.**

**vi. Close the resultset and statement objects.**

**vii. Process the resultset.**

1. i, ii, iii, v, iv, vii, viii, vi
2. i, iii, ii, v, iv, vii, vi, viii
3. ii, i, iii, iv, viii, vii, v, vi
4. i, iii, ii, iv, v, vi, vii, viii
5. **Which of the following method is used to perform DML statements in JDBC?**
6. executeResult()
7. executeQuery()
8. executeUpdate()
9. execute()
10. **Which methods are required to load a database driver in JDBC?**
11. getConnection()
12. registerDriver()
13. forName()
14. Both b and c
15. **Parameterized queries can be executed by?**
16. ParameterizedStatement
17. PreparedStatement
18. CallableStatement and ParameterizedStatement
19. All kinds of Statements
20. **What should be the correct order to close the database resource? What should be the correct order to close the database resource?**
21. Connection, Statements, and then ResultSet
22. ResultSet, Connection, and then Statements
23. Statements, ResultSet, and then Connection
24. ResultSet, Statements, and then Connection