

Assignment (Unit-1)

Course Outcome (CO1): To learn the connectivity in java programming language with the different databases.

SECTION A (5*2=10 Marks)

1. Explain the distinctions among the **execute**, **executeQuery**, and **executeUpdate** methods?
2. What is **JDBC**? How do you connect to a database using JDBC?
3. What are the advantages of **PreparedStatement** over **Statement**?
4. What are the JDBC API components?
5. What is **DriverManager** in JDBC?

SECTION B (3*7=21 Marks)

1. What do you mean by JDBC Driver? Explain the type of driver in details.
2. Explain the usage of the getter and setter methods in **ResultSet**.
3. Why are we utilizing **DatabaseMetaData**, and what do you mean by it? Explain with example.

SECTION C (3*11=33 Marks)

1. Write a program of connecting java application with mysql database and display records using **Statement** interface.
2. Explain JDBC Batch processing with example.
3. Write a program of executing parametrized query and taking input from user.