



Name:

Roll Number:

Section:

BSE-5B

28rd October, 2024

Q1. Write a Java JDBC code to insert a new record into a "students" table with columns (id, name, section, CGPA) in the database. The id, name, section and CGPA being your roll number, name, section and CGPA. The username for your database is: "Root" and password is "You are an amazing student".

You can assume that drivers are already there just make a connection and insert a record. Do not hard code the values when inserting data into the table.

Q2.MCQ

1) What does JDBC stand for?

A) Java Database Connectivity

B) Java Direct Connection

C) Java Development Code

D) Java Database Collection

2) Which interface is used to execute SQL queries in JDBC?

A) Statement

B) PreparedStatement

C) Connection

D) ResultSet

3) In JDBC, which method is used to establish a connection with the database?

A) connect()

B) getConnection()

C) open()

D) startConnection()

4) What is the purpose of the PreparedStatement in JDBC?

A) It is used to dynamically create database tables.

B) It precompiles SQL queries to improve performance and security.

C) It is used for executing batch updates.

D) It manages database transactions.

5) Which method is used to execute an SQL SELECT query in JDBC?

A) execute()

B) executeUpdate()

C) executeQuery()

D) executeFetch()