**Assignment-5:**

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.SQLException;

Public class DepartmentStore {

Public static void main(String[] args) {

String url = “jdbc:mysql://localhost:3306/departments”;

String user = “username”;

String password = “password”;

String createTableSQL = “CREATE TABLE IF NOT EXISTS department (“ +

“id INT PRIMARY KEY,” +

“name VARCHAR(255)” +

“)”;

String insertDataSQL = “INSERT INTO department (id, name) VALUES (?, ?)”;

Try (Connection connection = DriverManager.getConnection(url, user, password)) {

createTable(connection, createTableSQL);

insertData(connection, insertDataSQL, 1, “IT”);

insertData(connection, insertDataSQL, 2, “HR”);

} catch (SQLException e) {

e.printStackTrace();

}

}

Private static void createTable(Connection connection, String createTableSQL) throws SQLException {

Try (PreparedStatement statement = connection.prepareStatement(createTableSQL)) {

Statement.execute();

}

}

Private static void insertData(Connection connection, String insertDataSQL, int id, String name)

Throws SQLException {

Try (PreparedStatement statement = connection.prepareStatement(insertDataSQL)) {

Statement.setInt(1, id);

Statement.setString(2, name);

Statement.executeUpdate();

}

}

}