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| <https://www.geeksforgeeks.org/springboot/spring-jdbc-template/> |
| package com.exploit.org;  *// Importing required classes*  import java.util.List;  import org.springframework.beans.factory.annotation.Autowired;  import org.springframework.dao.DataAccessException;  import org.springframework.jdbc.core.JdbcTemplate;  import org.springframework.jdbc.core.RowMapper;  import org.springframework.stereotype.Repository;  @Repository  public class StudentDAOImpl implements StudentDAO {  @Autowired  private JdbcTemplate jdbcTemplate;  *// RowMapper to map result set to Student object*  private final RowMapper<Student> rowMapper = (rs, rowNum) -> {  Student student = new Student();  student.setId(rs.getInt("id"));  student.setName(rs.getString("name"));  student.setAge(rs.getInt("age"));  return student;  };  @Override  public void createStudent(Student student) throws DataAccessException {  String sql = "INSERT INTO Student (id, name, age) VALUES (?, ?, ?)";  jdbcTemplate.update(sql, student.getId(), student.getName(), student.getAge());  }  @Override  public Student getStudentById(Integer id) throws DataAccessException {  String sql = "SELECT \* FROM Student WHERE id = ?";  return jdbcTemplate.queryForObject(sql, rowMapper, id);  }  @Override  public List<Student> listStudents() throws DataAccessException {  String sql = "SELECT \* FROM Student";  return jdbcTemplate.query(sql, rowMapper);  }  @Override  public void updateStudent(Student student) throws DataAccessException {  String sql = "UPDATE Student SET name = ?, age = ? WHERE id = ?";  jdbcTemplate.update(sql, student.getName(), student.getAge(), student.getId());  }  @Override  public void deleteStudent(Integer id) throws DataAccessException {  String sql = "DELETE FROM Student WHERE id = ?";  jdbcTemplate.update(sql, id);  }  } |