Spring JDBC 1️⃣

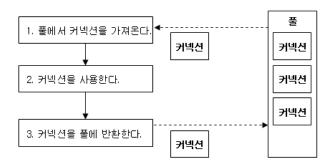## DataSource

DataBase Connection Pool (DBCP)

출처: https://brownbears.tistory.com/289

HikariCP

HikariCP는 2012년도경에 Brett Wooldridge가 개발한 매우 가볍고 매우 빠른 JDBC 컨넥션 풀입니다.

Let's write some code!

JdbcTemplate

```java
@Override
public Optional<Customer> findByName(String name) {
  List<Customer> list = new ArrayList<>();
  try (
    var connection : Connection = dataSource.getConnection();
    var statement : PreparedStatement = connection.prepareStatement( sql: "select * from customers WHERE name = ?");
  ) {
    statement.setString( parameterIndex: 1, name);
    try (var resultSet : ResultSet = statement.executeQuery()) {
      while (resultSet.next()) {
        list.add(mapToCustomer(resultSet));
      }
      return list.stream().findFirst();
    }
  } catch (SQLException e) {
    logger.error("Got error", e);
    throw new RuntimeException(e);
  }
}
```

Let's write some code!

https://www.baeldung.com/spring-jdbc-jdbctemplate