Spring DAO layer or module which help to improve Database Logic.

Normal JDBC provide Core API (Connection, DriverManager, Statement, PreparedStatement and ResultSet etc).

Spring DAO layer provided one the pre defined API ie DriverManagerDataSource. This class help us to provide the Database connection in singleton manner.

DataBase information we can write in XML file or configuration class.

Spring core and Context provided few more annotation which we can write on service layer as well as dao layer

@Component --🡪 Normal Java Bean class or POJO

@Scope(“prototype”)

@Service -🡪 This annotation we need to write on service class. by default this class consider as singleton

@Repository 🡪 this annotation we need to write on dao layer. The database logic may be written using core jdbc or jdbcTemplate or ORM(hibernate or JPA) or spring data.

Creating maven project as PMSUsingDataSource

Dependencies 🡪 Core, Context, Spring JDBC , my sql connector

JdbcTemplate JdbcTempalte is a pre defined API part of spring dao or jdbc module which internally wrap core JDBC code and provided more functionality to improve JDBC logic.