JdbcTemplate in SpringBoot:-

1. How to Enable it :-
   1. First we need to include the dependency in the POM.XML

<dependency>

<groupId>org.springframework</groupId>

<artifactId>spring-jdbc</artifactId>

</dependency>

* 1. Once we include the dependency then maven automatically download it for us. Then to use JDBC TEMPLATE, it will be in the following package. org.springFramework.jdbc.core.JdbcTemplate package.
  2. It automatically detects when we type jdbcTemplate in eclipse because jar is already downloaded.

1. How to Create a connection from JDBC TEMPLATE: -
   1. To create a connection from the JdbcTemplate, we should use the Datasource. So JdbcTemplate has a method i.e getDatasource(). From this it will return the datasource object.
   2. Datasource has a method getConnection(), it will return connection object.
   3. But here we DATASOURCE need DB details to create a connection, those details we are giving in the APPLICATION.PROPERTIES file. Like below.

spring.datasource.url=jdbc:mysql://10.65.166.199:3306/mm\_stg

spring.datasource.username=root

spring.datasource.password=root123

* 1. Also there are some other properties which can enable some other functionalities like connection pool or etc. which you can write in the same file.
  2. So DATASOURCE will look into the APPLICATION.PROPERTIES file and the create a connection.
  3. That connection will return from that dbconnection class. Then you can start using it to store or read details from/in to database.

1. How to use the JDBCTEMPLATE for the TRANSACTIONS with DB.?
   1. If you are using connection pooling technique in your project, then we don’t need to create/get a connection inside the DAO method which try to execute a query.
   2. You simply use the jdbcTemplate and its methods to execute a query, then from connection pool, pool manager will provide the connection automatically to execute the query.
   3. So here there is no need to open the connection inside the dao method and don’t need to bother about connection close in your dao method. All these will handble by pool manager.
   4. So concentrate on the your logic to execute a query.