STS-THEORY

# Steps to follow first:

* Download STS🡪 link → 4.8→ .jar file download🡪 extract 🡪 contents.zip🡪 extract🡪 lunch springtoolsuite.exe.
* Windows 🡪 preferences → installed jre🡪 standard vm🡪 JDK 1.8 file destination🡪 finish 🡪 tick apply and close.
* File🡪 new 🡪 spring starter project 🡪 name 🡪 demo\_app\_1🡪 type 🡪 maven version🡪 8 🡪 group🡪com.example.demo🡪package 🡪 com.example.demo🡪next🡪next🡪finish.
* Mvnrepository.com🡪 mysql connect j.
* Pom.xml→ <dependencies> cntrl+v </dependencies>.

# Maven:

* It is a repository (MVN repository).
* It helps us to download project dependencies using prm.xml file.

# Junit:

* Helps us to perform white box testing/unit testing.

# Annotations in Junit:

* @Test🡪 it checks weather code runs or not, if runs gives passed if not it gives failed.
* @Before🡪 it will run every time before each @Test methods.
* @After🡪 it will run every time After each @Test methods.
* @BeforeClass → it will run only once that is at the beginning of all the annotation’s methods & make sure that always its method should be static in J-unit or else it will give error.
* @AfterClass → it will run only once that is at the end of all the annotation’s methods & make sure that always its method should be static in J-unit or else it will give error.
* For Example: 🡪 if we are doing update operation in SQL then in @BeforeClass we take input parameters, in @Before we write SQL connection logic code, in @Test we write SQL update code and in @After & @AfterClass we write connection close logic.