Spring

Spring is a collection of modules. Some of the modules are

Spring core- for dependency injection

Spring MVC –for web

Spring rest – to make rest apis

Spring Core-IOC

Used to solve dependency injection

eg: if we use more than one classes , it’s difficult to manage then . so instead of we creating objects, spring core creates and manages them

Laptop{

Int size

Harddrive hd;

CPU cpu;

}

jdsd

so instead of we creating (using new class())and managing these objects . spring core creates objects and manages it

Hello world program describing spring core –ioc using spring boot:

There will be a lot of configuration in frame works like spring .but all projects have this common cofigaration. So basic cofigaration is given by spring itself in spring boot. spring boot concentrates more on convention over configurations

<https://github.com/navinreddy20/Spring_Course/tree/master/1%20firstproj>

some of the annotations used are @component on bean class indicating object should be created by spring frame work

@Autowired - insted of we creating object manualy autowired is used for dependency injestion

Steps to create simple spring boot project:

Step1 -Create spring starter project from spring.io

Step2 –use @componet to bean classes to indicate that spring container has to take care of this object

Step 3- use @Autowired if there is any dependency. I.e. if there is any need to initialize a object of one class inside another class

Step 4-run method give application context contained which can be used to get /initialize object of class

Hello world program describing spring core –ioc using spring:

Steps to create simple spring project:

Step1- create a maven project

Step 2- create bean class to be used

Step 3- add spring context maven dependency to there pom.xml. this help us to use spring frame work and functions, classes etc. in spring frame work

Step4 – to maintain and create object we need getbean() fuc from any of the container

Step5- create beanfactory container by specifying xml file

Step 6- create .xml file ,to map bean id s and classes