Spring) Duhat is Spring?

Spring is a light weight Container which

rowns of JRE. Spring is most popular application development for enterprise Jona. apprication using POJOS. The main use of pojo is We used to show the EJB etc. but We Can make use to run an eight-neight Container. I de Sor demboring applications. POJO (plan) old java object) - A class which

four not inherit and class are called it

as pojo class.

Pojo's banically define any entity. Like

in grows program, if you wont my

Employer class, they you can condit

a pojo as.

public class Employee { Private String name; Private String 10%; private double Salony; 1 - Programme x object Direct The major advantage of the pojo class is theet we will not (have to Creente objects every time ig other para programs. Somple we Can accues the objects of news the yetc) & setc) yethode. A pojo class should not extend predefined It should not Implement prespecified interfacus. anotation appotation. the first interior uce are veing 2) Has - A - relationship

2) what is Ioc Container? April Jamework.

1) Ioc (Ipressing of Controller) 2) mvc ((Model view Confroller) courte a objects expercitly enfued of programmer describes how the object should be created in a Configuration file The Carfiguration File will Contain the informeting of the class & also the data theet shound be present in the object. The Casfiguration file usually will be trapport the data. and assemble the objects the Ioc Container gets information from
the XML Tile and works accordingly. The Important functionalities of Ioc Container

1) to instantiale the application closes

2) to Configure the objects. The state of the s

Interpany Ioc Container Dill go to the Specified XML File and Bearches for the Specified class sol and instantiate class and loads the class, implements the methods or sets the values to the adributes and destroye the object. Application Content (I) Beaufactory (I) Classfath xml Applicating Content 8m (Bean Factory) webAppicationContent (I). Web Apprication Contend util Bependency Injection?

Dependency Injection?

Logether and bat the Jame time keeping than

independent. yearing of association between two classo). Authing means, class B will get injected on to class B days A by the Ioc. Dependency byenties mouse our apprications lossely compluded It will pass the value from xme file to

Dependency injenting Can be absented in two ways described bellow. bellow. -> Inticisation the value for fut a member of the been class by veing the Capstructor is grown as Constructor injection. Carfiguration file. Ex = (Constructor-arg value = 234 ((Constructor-arg) The Confairer will let the values for the lata yearbor by sefersing the xml fill ahure the dala yearbor Jame and values specify the property tag. & for the injection letter also years be I there at the bear class.

Exi (property jame = "Versled value = "1234" > (property) Injecting object epother object with the heep spring Containers.

1) (reale the depended been class
2) Configure the bean in xme file using bean tag. 3) Configured the beam in Specify, property tay where the beam panes Its of Jeelfeld with the Following Syntax.

chean ld = "pen" class = "com.ty.pan"

property name = "Vsexld' ref = "marker" > (|proputy) < (been) (4) @ Leutonirud -Her mett) in autonise spring bear of Setter methods, instance variable, and Constructors. When we use Chartoniered protation,
the Reprint Containor ando-ners the bean bif
matheing late-type. I H will cher whether the
object of possent gov to not 3) W Bean :-It is a method-lævel aprotation; It is an actempatice of xall bean tag. It less the method to produce a bean to be managed by spring Containers. When ever are are using third party object to infantial of which gives. Object of the popo class & configured it as a bean a If is a Class-level agretation. It is used to more agretated with @ Component. The Spring framework pick if up and Configure if in the application.

Configure of in the application. It is usual to Beate a object for Bean class.

A) Configuration the spring loc Container as a Source of bears

the spring loc Container as a Source of bears

definition. The Ebeury repotation ters spring-that
a method anotated with Ebears will return in
object that shound be registered as a hand in the spring apprication Content [alun to approved configuration bear in the xml file, & write that bean on the configuration closes by asing a Bear in the method. Comprenent can alich is used along with the Classiqueatiq aprotation to specify the packages that me want to be Scaped. It tak spring in alich packages you have a managed should be managed by spring spring brane, otherwise you about have to register each been individually in (xml chile). This is the use of @ Component Scan.

9 @ Qualifier = We Can eliminate the issure of which bean reads to be injected. pabric class foodservice {

Qualificar ("foodformatter"); Private Formetter formatter; -> Equalifier aprotation is used to resolve the autowining Conflict, when there are questiple been of same type. The Chargier anotation (as be used of any class aprotated with allowers of methods appolated with Optoutor arguments of method parameters. (B) @ Primery: -Dequies a highest preference over other bears. Il exacuting one primary bean exists among that candidats, if will be the defacut autolivine. Value.

@ value used to assign defaut values to and method Jarquenents. which is inpuly of Sugarante per 10 25 Duhat is Bensfactory? The second of the second Bennfactory is an Interface prusent in begospringframdom beans. Jackory. Beanfact ory! * Amelbransfactory and Implementation class His a Simple Container which provides
busic Support For dependency injection. require Classpath resource I class instance. provide the xml file name along with extension. to the xmlBeanfactory (" class path reference")

10 Instantiate Beanfactory

((13) what is Application Content? Application Content is a Interface which implements Beaufactory and present in org. spring frameone. Content. Application Content. Generally) Apprication Content is More use Compare to Benefactory. Beanfactor J (I) Application (ordered (I) the Application Content of like > 1) classfath xmeApplicating Content 2) Annotaticy Config Application Content.

-) based of requesement we choose Implementation.

Contempt.

Beautautory

Application Content His a Sub Interface > Bearfactory is an Intriface of Beenfactory. -> Support fait loading - Support I lazy leading. Dougnot support aprotation -> Support aprotation based dependency injection based dependency based dependency injection.

the different bean Scope in Spring. (19) what is Sigleton > The bear instance will be dill be only once and lame hytone will be by the Ioc Container, Et is returned 0 the defaut scope. Bf - Lazy (renties)

AC -> Eager (renties) The beam instance will Corente everything we requised the that specific beam

If I Lary Creating

Af

Lary Creating If objectinge is prototype austroy
method wold wook. The destroy-method is Called before the bean is reasoned from the Corolainer. inside a bean tag of one tile and initiairse with a method pane. The method which Enitiarised will get executed before been instance is removed Jon Centary.

Fx > Class A { public void mi()} (heny i'd = a' class = "com.ty.1" distroy-method-"mi) (beam? .

16) what is the use of init-method attribute
of beam tag in spring: Specify a method that is to be casted Obeen immediately apop instantial inside heary dag of the rme - file of spring. Value to the init-method. class 4 } public void M, () chem ed = "", class = "(com. +g") init-method="" in xml </ben>