**Spring Assignment-2**

1.Consider a MobileServiceclass in the package com.cjsswith appropriate properties and methods.

A Spring configuration file defining a bean of MobileService class is shown below:

<bean id="mobileService1" class="com.cjss.MobileService"/>

<bean id="mobileService2" class="com.cjss.MobileService"/>

\*What will happen in this case of defining two id’s for the same class?

2.Create a domain class Employee with attributes empId, firstName, lastName and role

Create EmployeeService(interface) with EmployeeServiceImpl(implementation) and

EmployeeRepository(interface) with EmployeeRepositoryImpl(implementation).

In the repository class use Map object to maintain Employees with their ids as keys.

In service class define operations to provide new employee details, get employee details.

Define required beans, configure using xml/annotations and write a client program to execute.

**3.What do you understand about Bean Wiring?**

A) Bean Wiring means the process of combining the beans together and bean tells to the container how the bean should be use Dependency Incjuction to tie together them .

**4.What is autowiring and name the different modes of it?**

Auto Wring is a spring framework is used to inject the dependency objects by implecitly . Internally it takes the constructor injection.It will not allow primitive data types and strings it allows only objects.

**5.What are the limitations of autowiring?**

-> we can autowire by using constructor or setter injection .

-> It will not allow primitive data types.

**\* what is auto scanning ?**

Put this context:Component in the Scanning bean it will enables that what is the package of the scanning component spring will scan and find the bean out.

**6.What is the difference between auto-wiring and auto scanning?**

Auto wiring is a injection used by constructor by with the @Auto Wired annotation.

Auto Scanning is a annotation used to find/scan the bean class .

**7.What is the Bean life cycle in the Spring Bean Factory Container?**

The Spring container instansiate the spring bean from the XML configuration and spring set the all propreties by the dependency injection.

**8.Describe DispatcherServlet.**

DispatcherServlet is a front end controller used to create a web applications.

**9.In Spring MVC framework, what is controller?**

Controller contains the bussiness logic and the class is indicated by the annotaion @Controller.

**10.What are the different containers available in spring and explain them with simple snippets?.**

The IOC Container consist of two containers the are

1) **Bean Factory** :- It consisit of all the collection of beans

2) **Application Context** :- It is a sub Interface of the Bean Factory .

**What is Application Context ?**

Application context is a sub interface of a bean factory .Bean Factory provides the basic funcinolity and recomendations for the application.