

Q1/- Explain about the life-cycle of a Spring Bean.

Q2/- How many scopes are there for a Spring Bean, which is the default scope for a Spring Bean? Explain with an example.

Q3/- What is the difference between setter injection and constructor injection?

Q4/- What is auto wiring in Spring, how many types of Auto wiring are there in spring, explain with an example.

Q5/- Consider following class :

```
class Employee{

    empld;
    empName;
    address;
    salary;

    //use constructor injection to inject the above fields.
    //override the toString method with all the above fields

}

class Department{

    deptId;
    deptName;
    location;

    //use constructor injection to inject the above fields.
    //override the toString method with all the above fields

}

class Demo {

    private Map<Department, Employee> theMap;

    //use setter injection to inject theMap;

    public void myInit(){
        System.out.println("inside myInit method");
    }

    public void cleanUp(){
        System.out.println("inside cleanUp method");
    }
}
```

```

    }

    public void showDetails(){
        System.out.println("inside showDetails of Demo class");
        //print all the details of all the employees department-wise.
    }

}

```

**Note:**

- Configure 3 department objects (Sales, Marketing, Accounts), and in each department associate one Employee object.
- Make **myInit** and init-method and **cleanUp** method as destroy method, both should be called.
- Initialize the Demo object lazily.
- From the main method of the Demo class call the showDetails() method by pulling the object from the Spring Container.