

Assessment Name	TCA ADM-Spring-L1 (Digital)	
Total No. of questions	20	For hands on Please follow the instructions given in the Link
Total Marks	20	
Duration of assessment	45 Minutes	
Syllabus w.e.f. June 2018		
Topic Name	No of Questions	Min No of assignments to be done for Hands on
Spring Framework Overview	1	
Spring Framework Architecture	1	
Spring Environment Setup	1	
Spring Hello World Example	1	1
Spring Basics		2
Spring IoC Containers	1	
Spring Bean Definition	1	
Spring Bean Scopes	2	
Spring Bean Life Cycle	2	
Spring Bean Post Processors	2	
Spring Bean Definition Inheritance	1	
Spring Dependency Injection	1	2
Inversion of Control		
Spring Injecting Inner Beans	1	
Spring Injecting Collection	1	
Spring Beans Auto-Wiring	2	
Spring Annotation Based Configuration	1	
Spring Java Based Configuration	1	
Total	20	5

Spring L1 - Learning Guide

Important Note:

In the links provided under the column "Learning Content", please go through all the sub topics mentioned under the column "TOC".

Level	Topic	Learning Content	Duration (minutes)
L1	Spring Framework Overview		
	Benefits, Dependency Injection, Aspect Oriented Programming	http://www.tutorialspoint.com/spring/spring_overview.htm	90
	Spring Framework Architecture		
	Core Container, Data Access/Integration, Web, Miscellaneous	http://www.tutorialspoint.com/spring/spring_architecture.htm	90
	Spring Environment Setup		
	Setup JDK, Install Apache Common	http://www.tutorialspoint.com/spring/spring_environment_setup.htm	30

Logging API, Setup Eclipse IDE, Setup Spring Framework Libraries		
Spring Hello World Example		
Create Java Project, Add Required Libraries, Create Source Files, Create Bean Configuration File, Running the Program	http://www.tutorialspoint.com/spring/spring_hello_world_example.htm	120
Spring IoC Containers		
Spring BeanFactory Container, Example, Spring ApplicationContext Container, Example	http://www.tutorialspoint.com/spring/spring_ioc_containers.htm	120
Spring Bean Definition		
Spring Configuration Metadata	http://www.tutorialspoint.com/spring/spring_bean_definition.htm	90
Spring Bean Scopes		
singleton, prototype, request, session, global-session, Examples	http://www.tutorialspoint.com/spring/spring_bean_scopes.htm	90
Spring Bean Life Cycle		
Initialization Callbacks, Destruction Callbacks, Example, Default initialization and destroy methods	http://www.tutorialspoint.com/spring/spring_bean_life_cycle.htm	120
Spring Bean Post Processors		
Spring Bean Post Processors, Example	http://www.tutorialspoint.com/spring/spring_bean_post_processors.htm	90
Spring Bean Definition Inheritance		
Spring Bean Definition Inheritance, Example, Bean Definition Template	http://www.tutorialspoint.com/spring/spring_bean_definition_inheritance.htm	90
Spring Dependency Injection		
Constructor-based Dependency Injection, Example, Constructor arguments resolution, Setter-based Dependency Injection, Example, XML configuration using p-namespace	http://www.tutorialspoint.com/spring/spring_dependency_injection.htm	120
Spring Injecting Inner Beans		
Spring Injecting Inner Beans, Example	http://www.tutorialspoint.com/spring/spring_injecting_inner_beans.htm	90
Spring Injecting Collection		
Spring Injecting Collection, Example, Injecting Bean References, Injecting null and empty string values	http://www.tutorialspoint.com/spring/spring_injecting_collection.htm	120
Spring Beans Auto-Wiring		
Autowiring Modes, Limitations, Autowiring 'byName', Autowiring 'byType', Autowiring by Constructor	http://www.tutorialspoint.com/spring/spring_beans_autowiring.htm	180
Spring Annotation Based Configuration		
@Required Annotation, @Autowired Annotation, @Autowired on Setter Methods, @Autowired on Properties, @Autowired on Constructors, @Autowired with (required=false) option, @Qualifier Annotation, Spring JSR-250 Annotations - @PostConstruct, @PreDestroy, @Resource Annotation	http://www.tutorialspoint.com/spring/spring_annotation_based_configuration.htm	180
Spring Java Based Configuration		
@Configuration and @Bean Annotation, Example, Injecting Bean Dependencies, Example, @Import Annotation, Lifecycle Callbacks, Specifying Bean Scope	http://www.tutorialspoint.com/spring/spring_java_based_configuration.htm	120

Important Note:

For the above mentioned topics, detailed information should be referenced from the link

<http://docs.spring.io/spring/docs/3.2.x/spring-framework-reference/html/>

Mock Assessment - Spring L1 (not woking)

If you are facing issues in accessing the above mock assessment link, try the **alternate link** below (**Recommended browser is Google Chrome**).
If the network is slow, it **may take time** for the questions to get loaded, hence be patient.
Ignore **empty radio buttons** in case of questions having only 2 options (True, False).

