- In Spring, Bean Loading happens by 2 ways:
 - EAGER (DEFAULT)
 - LAZY

- The bean registered in the configuration unit gets instantiated as soon as the ApplicationContext is built.
- This is known as EAGER Loading.

- The bean registered in the configuration unit gets instantiated only when the client program makes a request for the same.
- This is known as LAZY Loading.

- Rather than explicitly wiring all of your bean's properties, you can have Spring automatically figure out how to wire beans.
- It is done by setting the **autowire** property.

- Spring provides 3 types of autowiring:
 - byName
 - byType
 - constructor

- byName
 - Attempts to find a bean in the container whose name is the same as the name of the property being wired.

- byType
 - Attempts to find a single bean in the container whose type matches the type of the property being wired.

- constructor
 - Tries to match up a constructor of the autowired bean with beans whose types are assignable to the constructor arguments.

- Every bean registered in XML file has some scope.
- It is possible to modify scope of the bean using scope attribute of <bean> element.

- There are 5 different types of scopes:
 - singleton
 - prototype
 - request
 - session
 - global-session

- singleton
 - It is the default scope.
 - Indicates that the bean configuration is singleton.
 - If the same bean is requested multiple times, spring returns the same object.

- prototype
 - Antonym of singleton.
 - If the same bean is requested multiple times, spring returns the a new object every time.

- request
 - Applicable only in the context of Spring MVC.
 - The bean is alive until the response is generated.
 - For every new instance of HttpServletRequest, spring creates a new instance.

- session
 - Applicable only in the context of Spring MVC.
 - The bean is alive until the session is over.
 - Bean can survive even if the response is generated.
 - For every new instance of HttpSession, spring creates a new instance.

- global-session
 - Applicable in the context of Spring Portlet environment.
 - The bean is alive across multiple portlets.

Let's Summarize

- Working with ApplicationContext
- Bean Life Cycle
- Understanding Dependency Injections
- Auto-wiring
- Bean Scopes