

### **Q: Types of Handler Mapping?**

**BeanNameUrl HandlerMapping** : The simplest of the Handler Mapping and it is used to map the Url that comes from the Clients directly to the Bean Object. The Bean is nothing but a Controller object.

```
<beans ...>
  <bean
    class="org.springframework.web.servlet.handler.BeanNameUrlHandlerMapping"/>
  <bean name="/welcome.htm"
    class="com.mkyong.common.controller.WelcomeController" />
</beans ...>
```

**CommonsPathMap HandlerMapping** : This is a rarely used Handler Mapping in which case, the name of the Url to which the Controller has to be mapped is specified directly in the Source file of the Controller.

```
<beans>
  <bean id="metaHandlerMapping"
    class="org.springframework.web.servlet.handler.
      metadata.CommonsPathMapHandlerMapping"/>
</beans>
```

**ControllerClassName HandlerMapping** : This Controller is taking directly from the Url itself with slight modifications.

```
<beans ...>
  <bean
    class="org.springframework.web.servlet.mvc.support.ControllerClassNameHandler
      Mapping" />
  <bean class="com.mkyong.common.controller.WelcomeController" />
</beans>
```

**SimpleUrl HandlerMapping** : The Simplest of all the Handler Mappings as it directly maps the Client Request to some Controller object.

```
<beans ...>
  <bean
    class="org.springframework.web.servlet.handler.SimpleUrlHandlerMapping">
    <property name="mappings">
      <props>
        <prop key="/welcome.bean">welcomeController</prop>
      </props>
    </property>
  </bean>
  <bean id="welcomeController" class="r4r.co.controller.WelcomeController" />
</beans>
```