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|  | **Spring bean life cycle** |
|  | **Spring bean life cycle steps** |
|  | 1. The containers instantiate every bean,populate their properties,and call the init method,which makes the bean ready to be used.During the shutdown of the application,the destroy method of the bean is invoked. |
|  | 2. The init and destroy methods are used to perform initialization and cleanup operations. |
|  | 3. Below diagram shows the Spring Bean life cycle. |
|  | 1.png |
|  | 2.png |
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|  | **Example:** |
|  | **1.** Create the class which implements ApplicationContextAware,InitializingBean,DisposableBean interfaces. |
|  | **3.png** |
|  | public class SpringBeanDemo implements ApplicationContextAware,InitializingBean,DisposableBean {    private String message; |
|  | 4.png |
|  | 5.png |
|  | 6.png |
|  | public void setApplicationContext(ApplicationContext applicationContext)throws BeansException {          System.out.println("Inside setApplicationContext method:");        }  } |
|  | 2.Create the Spring configuration file |
|  | 7.png |
|  | 3. Create the client and run it. |
|  | 8.png |
|  | 9.png |
|  | ConfigurableApplicationContext applicationContext = new FileSystemXmlApplicationContext("classpath:Spring-Core.xml");          SpringBeanDemo bean = (SpringBeanDemo) applicationContext.getBean("springBean");          System.out.println("message ::" + bean.getMessage());          // shutdown the context          applicationContext.close();        } |
|  | 4. Final project structure. |
|  | 10.png |
|  |  |
|  | **Output:** |
|  | 11.png |