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|  | **Spring bean scopes** |
|  | Spring supports the following 5 types of bean scopes and the default scope is **singleton** |
|  | **1.** singleton – Return a single bean instance per Spring IoC container |
|  | **2.** prototype – Return a new bean instance each time when requested |
|  | **3.** request – Return a single bean instance per HTTP request. |
|  | **4.** session – Return a single bean instance per HTTP session. |
|  | **5.** globalSession – Return a single bean instance per global HTTP session. |
|  |  |
|  | **Singleton scope example:** |
|  | **1.** Create the Engine class |
|  | **6.png** |
|  |  |
|  | **2.** Configure Engine class in Spring-Core.xml configuration file. |
|  | **7.png** |
|  |  |
|  |  |
|  | **3.** Create the client and run it. |
|  | **8.png** |
|  | ApplicationContext applicationContext=new ClassPathXmlApplicationContext("Spring-Core.xml"); |
|  | **9.png** |
|  |  |
|  | **Output:** Validity::3Yrs. Validity::10 Yrs. Engine ID::123 Validity::10 Yrs. |
|  |  |
|  | **Singleton scope example:** |
|  | **1.** Create the Engine class |
|  | **10.png** |
|  |  |
|  | **2.** Configure Engine class in Spring-Core.xml configuration file. |
|  | **11.png** |
|  |  |
|  | **3.** Create the client and run it. |
|  | **12.png** |
|  | ApplicationContext applicationContext=new ClassPathXmlApplicationContext("Spring-Core.xml"); |
|  | **13.png** |
|  |  |
|  | **Output:** Validity::3Yrs. Validity::10 Yrs. Engine ID::123 Validity::10 Yrs. |
|  |  |
|  | **Prototype scope example:** |
|  | **1.** Create the Engine class |
|  | **14.png** |
|  |  |
|  | **2.** Configure Engine class in Spring-Core.xml configuration file. |
|  | **15.png** |
|  |  |
|  | **3.** Create the client and run it. |
|  | **16.png** |
|  | ApplicationContext applicationContext=new ClassPathXmlApplicationContext("Spring-Core.xml"); |
|  | **17.png** |
|  |  |
|  | **Output:** Validity::10 Yrs. Validity::null |