Spring Practice Report

AgeCalculator

Text

Description automatically generated

The above table show the result of implementing the AgeCalculator using Spring. Before executing the AgeCalculatorSpringClient, we have the library of Spring Jar files as well as Apache Commons Library Jar files.

Text, chat or text message

Description automatically generated

So, in the project directory we can see there are XML file that act as configuration file. Which is very important since the Spring container is completely depends on the configuration file in order to perform any operations on the object to decide on which components to be instantiated and how to establish the connection.

Text

Description automatically generated

From the figure above, we can see the AgeCalculatorSpringClient is the application context contatiner and loading XML file from the file system throught ClassPathXmlApplicationContext. Which the file name is referred as “Beans.xml”.

Besides, this help also the Spring component model to obtained by client using getBean() method of the application context object instead of using the interface.

Graphical user interface, text

Description automatically generated

And at the line of code 48, client application can uses the references to invoke the business methods which is calculateAge().

Text

Description automatically generated