**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*currencyConverter.xml\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

<?xml version="1.0" encoding="UTF-8"?>

<beans xmlns="http://www.springframework.org/schema/beans"

xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xmlns:aop="http://www.springframework.org/schema/aop"

xsi:schemaLocation="http://www.springframework.org/schema/beans

http://www.springframework.org/schema/beans/spring-beans-4.0.xsd">

<bean id="currencyConverter" class="com.igate.intro.CurrencyConverterImpl" >

<property name="exchangeRate" value="44.50" />

</bean>

</beans>

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*CurrencyConverer.java\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

package com.igate.intro;

public interface CurrencyConverter

{

public double dollarsToRupees(double dollars);}

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*currencyConverterImpl.java\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

package com.igate.intro;

public class CurrencyConverterImpl implements CurrencyConverter {

private double exchangeRate;

public double getExchangeRate() {

System.out.println("getExchangeRate()");

return exchangeRate;

}

public void setExchangeRate(double exchangeRate) {

System.out.println("setExchangeRate()");

this.exchangeRate = exchangeRate;

}

public double dollarsToRupees(double dollars) {

System.out.println("dollarsToRupees()");

return dollars \* exchangeRate;

}};

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*CurrencyConverterClient.java\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

package com.igate.intro;

import org.springframework.beans.factory.\*;

import org.springframework.beans.factory.xml.\*;

import org.springframework.core.io.\*;

public class CurrencyConverterClient

{ public static void main(String args[]) throws Exception

{

Resource res = new ClassPathResource("currencyconverter.xml");

BeanFactory factory = new XmlBeanFactory(res);

CurrencyConverter curr = (CurrencyConverter) factory.getBean("currencyConverter");

double rupees = curr.dollarsToRupees(50.0);

System.out.println("50 $ is "+rupees+" Rs.");

}

}

**002\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**\*\*\*\*\*\*\*\*\*\* CurrencyConverter.java\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

package com.igate.intro;

public interface CurrencyConverter {

public double dollarsToRupees(double dollars);

}

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* CurrencyConverterImpl.java\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

package com.igate.intro;

public class CurrencyConverterImpl implements CurrencyConverter {

private double exchangeRate;

public CurrencyConverterImpl(double exchangeRate) {

System.out.println("CurrencyConverterImpl()");

this.exchangeRate = exchangeRate; }

/\* public double getExchangeRate() {

System.out.println("getExchangeRate()");

return exchangeRate;

}

public void setExchangeRate(double exchangeRate) {

System.out.println("setExchangeRate()");

this.exchangeRate = exchangeRate;

}

\*/

public double dollarsToRupees(double dollars) {

System.out.println("dollarsToRupees()");

return dollars \* exchangeRate;

}

}

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* CurrencyConverterClient.java\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

package com.igate.intro;

import org.springframework.beans.factory.\*;

import org.springframework.beans.factory.xml.\*;

import org.springframework.core.io.\*;

public class CurrencyConverterClient {

public static void main(String args[]) throws Exception

{

Resource res = new ClassPathResource("currencyconverter.xml");

BeanFactory factory = new XmlBeanFactory(res);

CurrencyConverter curr = (CurrencyConverter)

factory.getBean("currencyConverter");

double rupees = curr.dollarsToRupees(50.0);

System.out.println("50 $ is "+rupees+" Rs.");

}

}

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*CurrencyConverter.xml\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

<?xml version="1.0" encoding="UTF-8"?>

<beans xmlns="http://www.springframework.org/schema/beans"

xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xmlns:aop="http://www.springframework.org/schema/aop"

xsi:schemaLocation="http://www.springframework.org/schema/beans

http://www.springframework.org/schema/beans/spring-beans-4.0.xsd">

<bean id="currencyConverter" class="com.igate.intro.CurrencyConverterImpl">

<constructor-arg><value>44.25</value></constructor-arg>

<!--<constructor-arg index="0"><value>44.25</value></constructor-arg>-->

<!--<constructor-arg type="double"><value>44.25</value></constructor-arg>-->

</bean>

</beans>

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*log4j.properties\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

# For JBoss: Avoid to setup Log4J outside $JBOSS\_HOME/server/default/deploy/log4j.xml!

# For all other servers: Comment out the Log4J listener in web.xml to activate Log4J.

log4j.rootLogger=INFO, logfile

log4j.appender.stdout=org.apache.log4j.ConsoleAppender

log4j.appender.stdout.layout=org.apache.log4j.PatternLayout

log4j.appender.stdout.layout.ConversionPattern=%d %p [%c] - <%m>%n

log4j.appender.logfile=org.apache.log4j.RollingFileAppender

log4j.appender.logfile.File=basicspring.log

log4j.appender.logfile.MaxFileSize=512KB

# Keep three backup files.

log4j.appender.logfile.MaxBackupIndex=3

# Pattern to output: date priority [category] - message

log4j.appender.logfile.layout=org.apache.log4j.PatternLayout

log4j.appender.logfile.layout.ConversionPattern=%d %p [%c] - %m%n

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*003-Wiring\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*CurrencyConverter.java\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

package com.igate.intro;

public interface CurrencyConverter {

public double dollarsToRupees(double dollars);

}

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* CurrencyConverter.impl\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

package com.igate.intro;

public class CurrencyConverterImpl implements CurrencyConverter {

public CurrencyConverterImpl() {

System.out.println("CurrencyConverterImpl()");

}

private ExchangeService exchangeService;

public ExchangeService getExchangeService() {

System.out.println("getExchangeService()");

return exchangeService;

}

public void setExchangeService(ExchangeService exchangeService) {

System.out.println("setExchangeService()");

this.exchangeService = exchangeService;

}

public double dollarsToRupees(double dollars) {

System.out.println("dollarsToRupees()");

return dollars \* exchangeService.getExchangeRate();

}

};

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*ExchangeService.java\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

package com.igate.intro;

public interface ExchangeService {

public double getExchangeRate();

}

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*ExchangeServiceImpl.java\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

package com.igate.intro;

public class ExchangeServiceImpl implements ExchangeService {

private double exchangeRate;

public ExchangeServiceImpl(double exchangeRate) {

System.out.println("ExchangeServiceImpl()");

this.exchangeRate = exchangeRate;

}

public double getExchangeRate() {

System.out.println("getExchangeRate()");

return exchangeRate;

}

}

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*/src/CurrencyConver.xml in\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

<?xml version="1.0" encoding="UTF-8"?>

<beans xmlns="http://www.springframework.org/schema/beans"

xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xmlns:aop="http://www.springframework.org/schema/aop"

xsi:schemaLocation="http://www.springframework.org/schema/beans

http://www.springframework.org/schema/beans/spring-beans-4.0.xsd">

<bean id="exchangeService" class="com.igate.intro.ExchangeServiceImpl">

<constructor-arg><value>44.25</value></constructor-arg>

</bean>

<bean id="currencyConverter" class="com.igate.intro.CurrencyConverterImpl">

<property name="exchangeService">

<ref bean="exchangeService"/>

</property>

</bean>

</beans>

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* CurrencyConverterClient.java\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

package com.igate.intro;

import org.springframework.beans.factory.\*;

import org.springframework.beans.factory.xml.\*;

import org.springframework.core.io.\*;

public class CurrencyConverterClient {

public static void main(String args[]) throws Exception {

Resource res = new ClassPathResource("currencyconverter.xml");

BeanFactory factory = new XmlBeanFactory(res);

CurrencyConverter curr = (CurrencyConverter) factory.getBean("currencyConverter");

double rupees = curr.dollarsToRupees(50.0);

System.out.println("50 $ is "+rupees+" Rs.");

}

}

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*output\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**Jun 16, 2015 9:42:55 AM org.springframework.beans.factory.xml.XmlBeanDefinitionReader loadBeanDefinitions**

**INFO: Loading XML bean definitions from class path resource [currencyconverter.xml]**

CurrencyConverterImpl()

ExchangeServiceImpl()

setExchangeService()

dollarsToRupees()

getExchangeRate()

50 $ is 2212.5 Rs.

**004\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*Autowiring\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*src/Currency Converter.xml\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

<?xml version="1.0" encoding="UTF-8"?>

<beans xmlns="http://www.springframework.org/schema/beans"

xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xmlns:aop="http://www.springframework.org/schema/aop"

xsi:schemaLocation="http://www.springframework.org/schema/beans

http://www.springframework.org/schema/beans/spring-beans-4.0.xsd">

<bean id="exchangeService" class="com.igate.intro.ExchangeServiceImpl">

<constructor-arg><value>44.25</value></constructor-arg>

</bean>

<bean id="currencyConverter" class="com.igate.intro.CurrencyConverterImpl"

autowire="byName"/>

</beans>

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* CurrencyConverter.java\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

package com.igate.intro;

public interface CurrencyConverter {

public double dollarsToRupees(double dollars);

}

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* CurrencyConverterImpl.java\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

package com.igate.intro;

public class CurrencyConverterImpl implements CurrencyConverter {

public CurrencyConverterImpl() {

System.out.println("CurrencyConverterImpl()");

}

private ExchangeService exchangeService;

public ExchangeService getExchangeService() {

System.out.println("getExchangeService()");

return exchangeService;

}

public void setExchangeService(ExchangeService exchangeService) {

System.out.println("setExchangeService()");

this.exchangeService = exchangeService;

}

public double dollarsToRupees(double dollars) {

System.out.println("dollarsToRupees()");

return dollars \* exchangeService.getExchangeRate();

}

};

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* ExchangeService.java\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

package com.igate.intro;

public class ExchangeServiceImpl implements ExchangeService {

private double exchangeRate;

public ExchangeServiceImpl(double exchangeRate) {

System.out.println("ExchangeServiceImpl()");

this.exchangeRate = exchangeRate;

}

public double getExchangeRate() {

System.out.println("getExchangeRate()");

return exchangeRate;

}

}

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*CurrencyConverterClient.java\*\*\*\*\*\*\***

package com.igate.intro;

import org.springframework.beans.factory.\*;

import org.springframework.beans.factory.xml.\*;

import org.springframework.core.io.\*;

public class CurrencyConverterClient {

public static void main(String args[]) throws Exception {

Resource res = new ClassPathResource("currencyconverter.xml");

BeanFactory factory = new XmlBeanFactory(res);

CurrencyConverter curr = (CurrencyConverter) factory.getBean("currencyConverter");

double rupees = curr.dollarsToRupees(50.0);

System.out.println("50 $ is "+rupees+" Rs.");

}

}

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*output\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**Jun 16, 2015 9:55:52 AM org.springframework.beans.factory.xml.XmlBeanDefinitionReader loadBeanDefinitions**

**INFO: Loading XML bean definitions from class path resource [currencyconverter.xml]**

CurrencyConverterImpl()

ExchangeServiceImpl()

setExchangeService()

dollarsToRupees()

getExchangeRate()

50 $ is 2212.5 Rs.

**005\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*-Collections\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* CurrencyList.java\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

package com.igate;

import java.util.ArrayList;

public interface CurrencyList {

public ArrayList<String> getCurrList();

}

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* CurrencyListImpl .java\*\*\*\*\*\*\*\*\*\*\*\*\***

package com.igate;

import java.util.ArrayList;

import java.util.List;

public class CurrencyListImpl implements CurrencyList{

private ArrayList<String> currList;

public ArrayList<String> getCurrList() { return currList; }

public void setCurrList(ArrayList<String> currList) { this.currList = currList; }

}

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*collection.xml\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

<?xml version="1.0" encoding="UTF-8"?>

<beans xmlns="http://www.springframework.org/schema/beans"

xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:aop="http://www.springframework.org/schema/aop"

xsi:schemaLocation="http://www.springframework.org/schema/beans

http://www.springframework.org/schema/beans/spring-beans-4.0.xsd">

<bean id="currencyList" class="com.igate.CurrencyListImpl">

<property name="currList">

<list>

<value>USD</value>

<value>EUR</value>

<value>INR</value>

<value>GBP</value>

<value>AUD</value>

<value>JPY</value>

</list>

</property>

</bean>

</beans>

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* CurrencyListClient.java\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

package com.igate;

import java.util.List;

import org.springframework.beans.factory.BeanFactory;

import org.springframework.beans.factory.xml.XmlBeanFactory;

import org.springframework.core.io.ClassPathResource;

import org.springframework.core.io.Resource;

public class CurrencyListClient {

/\*\*

\* @param args

\*/

public static void main(String[] args) {

// TODO Auto-generated method stub

Resource res = new ClassPathResource("collection.xml");

BeanFactory factory = new XmlBeanFactory(res);

CurrencyList curr = (CurrencyList)factory.getBean("currencyList");

List curs = curr.getCurrList();

System.out.println(curs);

}

}

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*output\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**Jun 16, 2015 10:00:02 AM org.springframework.beans.factory.xml.XmlBeanDefinitionReader loadBeanDefinitions**

**INFO: Loading XML bean definitions from class path resource [collection.xml]**

[USD, EUR, INR, GBP, AUD, JPY]

**006 Data From Property File\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**\*\*\*\*\*\*\*\*\*\*\*\*\*User.java\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

package com.igate.bfpp;

public class User {

private String username;

private String password;

public String getPassword() { return password; }

public void setPassword(String password) { this.password = password; }

public String getUsername() { return username; }

public void setUsername(String username) { this.username = username; }

}

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*src/\*user.properties\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

username = ilearn

password = igate

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*src/user.xml\*\*\*\*\*\*\*\*\*\*\*\*\***

<?xml version="1.0" encoding="UTF-8"?>

<beans xmlns="http://www.springframework.org/schema/beans"

xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xmlns:aop="http://www.springframework.org/schema/aop"

xsi:schemaLocation="http://www.springframework.org/schema/beans

http://www.springframework.org/schema/beans/spring-beans-4.0.xsd">

<bean id="user" class="com.igate.bfpp.User">

<property name="username"><value>${username}</value></property>

<property name="password"><value>${password}</value></property>

</bean>

<bean id="placeHolderConfig"

class="org.springframework.beans.factory.config.PropertyPlaceholderConfigurer">

<property name="location"><value>user.properties</value></property>

</bean>

</beans>

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*UserClient.java\*\*\*\*\*\*\*\*\*\*\*\*\*\***

package com.igate.bfpp;

import org.springframework.context.ApplicationContext;

import org.springframework.context.support.ClassPathXmlApplicationContext;

public class UserClient {

public static void main(String args[]) throws Exception {

ApplicationContext ctx = new ClassPathXmlApplicationContext("user.xml");

User user = (User) ctx.getBean("user");

System.out.println(user.getUsername());

//XmlBeanFactory factory = new XmlBeanFactory(new FileSystemResource("user.xml"));

//PropertyPlaceholderConfigurer cfg = new PropertyPlaceholderConfigurer();

//cfg.setLocation(new FileSystemResource("user.properties"));

//cfg.postProcessBeanFactory(factory);

//User user = (User) ctx.getBean("user");

//System.out.println(user.getUsername());

}

}

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*Output\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**Jun 16, 2015 10:06:23 AM org.springframework.context.support.AbstractApplicationContext prepareRefresh**

**INFO: Refreshing org.springframework.context.support.ClassPathXmlApplicationContext@1010be6: startup date [Tue Jun 16 10:06:23 IST 2015]; root of context hierarchy**

**Jun 16, 2015 10:06:23 AM org.springframework.beans.factory.xml.XmlBeanDefinitionReader loadBeanDefinitions**

**INFO: Loading XML bean definitions from class path resource [user.xml]**

**Jun 16, 2015 10:06:23 AM org.springframework.core.io.support.PropertiesLoaderSupport loadProperties**

**INFO: Loading properties file from class path resource [user.properties]**

ilearn

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*For same output UserClient \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**\*\*\*\*\*\*\*\*\*\*But xml and properties should be in project folder\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

package com.igate.bfpp;

import org.springframework.beans.factory.config.PropertyPlaceholderConfigurer;

import org.springframework.beans.factory.xml.XmlBeanFactory;

import org.springframework.context.ApplicationContext;

import org.springframework.context.support.ClassPathXmlApplicationContext;

import org.springframework.core.io.FileSystemResource;

public class UserClient {

public static void main(String args[]) throws Exception {

//ApplicationContext ctx = new ClassPathXmlApplicationContext("user.xml");

//User user = (User) ctx.getBean("user");

//System.out.println(user.getUsername());

XmlBeanFactory factory = new XmlBeanFactory(new FileSystemResource("user.xml"));

PropertyPlaceholderConfigurer cfg = new PropertyPlaceholderConfigurer();

cfg.setLocation(new FileSystemResource("user.properties"));

cfg.postProcessBeanFactory(factory);

User user = (User) factory.getBean("user");

System.out.println(user.getUsername());

}

}

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*Employee.java\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

package com.igate;

import java.sql.Date;

public class Employee {

Date date;

public Date getDate() {return date; }

public void setDate(Date date) {this.date = date; }

}

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* SQLDateEditor.java\*\*\*\*\*\*\*\*\*\*\*\*\***

package com.igate;

import java.beans.PropertyEditorSupport;

import java.sql.Date;

public class SQLDateEditor extends PropertyEditorSupport {

public SQLDateEditor() { }

public void setAsText(String text) {

if(text.equalsIgnoreCase("getdate()")) {

Date date = new Date(System.currentTimeMillis());

setValue(date);

}

else {

setValue(Date.valueOf(text));

}

}

public String getAsText() {

return getValue().toString();

}

}

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*src/employee.xml\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

<?xml version="1.0" encoding="UTF-8"?>

<beans xmlns="http://www.springframework.org/schema/beans"

xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xmlns:aop="http://www.springframework.org/schema/aop"

xsi:schemaLocation="http://www.springframework.org/schema/beans

http://www.springframework.org/schema/beans/spring-beans-4.0.xsd">

<bean id="customEditorConfigurer"

class="org.springframework.beans.factory.config.CustomEditorConfigurer">

<property name="customEditors">

<map>

<entry key="java.sql.Date" value="com.igate.SQLDateEditor" />

</map>

</property>

</bean>

<bean id="employee" class="com.igate.Employee">

<property name="date"><value>2012-04-30</value></property>

<!-- <property name="date"><value>getDate()</value></property> -->

</bean></beans>

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*EmployeeClient.java\*\*\*\*\*\*\***

package com.igate;

import org.springframework.context.ApplicationContext;

import org.springframework.context.support.ClassPathXmlApplicationContext;

public class EmployeeClient {

public static void main(String args[]) throws Exception {

ApplicationContext ctx = new ClassPathXmlApplicationContext("employee.xml");

Employee employee = (Employee) ctx.getBean("employee");

System.out.println(employee.getDate());

}

}

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*output\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**Jun 16, 2015 10:15:35 AM org.springframework.context.support.AbstractApplicationContext prepareRefresh**

**INFO: Refreshing org.springframework.context.support.ClassPathXmlApplicationContext@1010be6: startup date [Tue Jun 16 10:15:35 IST 2015]; root of context hierarchy**

**Jun 16, 2015 10:15:35 AM org.springframework.beans.factory.xml.XmlBeanDefinitionReader loadBeanDefinitions**

**INFO: Loading XML bean definitions from class path resource [employee.xml]**

2012-04-30

**008\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* UserBean.java\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

package com.igate;

import org.springframework.beans.factory.annotation.Value;

import org.springframework.stereotype.Component;

@Component("u")

public class UserBean {

public int getUserId() {return userId; }

public void setUserId(int userId) { this.userId = userId; }

@Value("${userid}")

private int userId;

@Value("${username}")

//@Value("majrul")

private String username;

@Value("${password}")

//@Value("majrul123")

private String password;

public String getPassword() { return password; }

public void setPassword(String password) { this.password = password; }

public String getUsername() { return username; }

public void setUsername(String username) { this.username = username; }

}

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*src/user.properties\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

username = university

password = igate@123

userid=1001

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*UserClient1.java\*\*\*\*\*\*\*\*\*\*\***

package com.igate;

import org.springframework.boot.SpringApplication;

import org.springframework.boot.autoconfigure.EnableAutoConfiguration;

import org.springframework.context.ApplicationContext;

import org.springframework.context.annotation.ComponentScan;

import org.springframework.context.annotation.PropertySource;

@ComponentScan("com.igate")

@EnableAutoConfiguration

@PropertySource("classpath:/user.properties")

public class UserClient1 {

public static void main(String args[]) throws Exception {

ApplicationContext context = SpringApplication.run(UserClient1.class, args);

UserBean user = (UserBean) context.getBean("u");

System.out.println(user.getUserId());

System.out.println(user.getUsername());

System.out.println(user.getPassword());

}}

**\*\*\*\*\*\*\*\*\*\*\*\*\*Output\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**. \_\_\_\_ \_ \_\_ \_ \_**

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**\\/ \_\_\_)| |\_)| | | | | || (\_| | ) ) ) )**

**' |\_\_\_\_| .\_\_|\_| |\_|\_| |\_\\_\_, | / / / /**

**=========|\_|==============|\_\_\_/=/\_/\_/\_/**

**:: Spring Boot :: (v1.0.0.RELEASE)**

**[2015-06-16 10:32:33.610] - 7148 INFO [main] --- com.igate.UserClient1: Starting UserClient1 on PUNL6553 with PID 7148 (started by vs821219)**

**[2015-06-16 10:32:33.673] - 7148 INFO [main] --- org.springframework.context.annotation.AnnotationConfigApplicationContext: Refreshing org.springframework.context.annotation.AnnotationConfigApplicationContext@13f5a29: startup date [Tue Jun 16 10:32:33 IST 2015]; root of context hierarchy**

**[2015-06-16 10:32:34.187] - 7148 INFO [main] --- org.springframework.jmx.export.annotation.AnnotationMBeanExporter: Registering beans for JMX exposure on startup**

**[2015-06-16 10:32:34.281] - 7148 INFO [main] --- com.igate.UserClient1: Started UserClient1 in 0.795 seconds (JVM running for 1.035)**

UserId : 1001

User Name : vs821219

User Vaishali : igate@123

**[2015-06-16 10:32:34.281] - 7148 INFO [Thread-1] --- org.springframework.context.annotation.AnnotationConfigApplicationContext: Closing org.springframework.context.annotation.AnnotationConfigApplicationContext@13f5a29: startup date [Tue Jun 16 10:32:33 IST 2015]; root of context hierarchy**

**009-Using Annotaions\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*CurrencyConverter.java\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

package com.igate.anno;

public interface CurrencyConverter {

public double dollarsToRupees(double dollars);

}

**\*\*\*\*\*\*\*\*\*\*\*\*\* CurrencyConverterImpl.java\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

package com.igate.anno;

import javax.annotation.PostConstruct;

import javax.annotation.PreDestroy;

import org.springframework.beans.factory.annotation.Autowired;

import org.springframework.stereotype.Component;

@Component("currencyConverter")

public class CurrencyConverterImpl implements CurrencyConverter {

// currencyConverterImpl

@PostConstruct

void init(){

System.out.println("in init() - called thru @PostConstruct");

}

@PreDestroy

void destroy(){

System.out.println("in destroy() - called thru @PreDestroy");

}

public CurrencyConverterImpl() {

System.out.println("CurrencyConverterImpl()");

}

@Autowired

public CurrencyConverterImpl(ExchangeServiceImpl exchangeService) {

System.out.println("CurrencyConverterImpl()");

this.exchangeService = exchangeService;

}

@Autowired

private ExchangeServiceImpl exchangeService;

/\*public ExchangeServiceImpl getExchangeService() {

System.out.println("getExchangeService()");

return exchangeService;

}

@Autowired

public void setExchangeService(ExchangeServiceImpl exchangeService) {

System.out.println("setExchangeService()");

this.exchangeService = exchangeService;

}\*/

public double dollarsToRupees(double dollars) {

System.out.println("dollarsToRupees()");

return dollars \* exchangeService.getExchangeRate();

}

};

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*ExchangeService.java\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

package com.igate.anno;

public interface ExchangeService {

public double getExchangeRate();

}

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* ExchangeServiceImpl.java\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

package com.igate.anno;

import org.springframework.beans.factory.annotation.Value;

import org.springframework.stereotype.Component;

@Component("exchangeService")

public class ExchangeServiceImpl implements ExchangeService {

@Value("44.25")//<property name=""

private double exchangeRate;

public ExchangeServiceImpl() {

System.out.println("ExchangeServiceImpl()");

}

public double getExchangeRate() {

System.out.println("getExchangeRate()");

return exchangeRate;

}

}

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* CurrencyConverterClient.java\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

package com.igate.anno;

import org.springframework.context.ApplicationContext;

import org.springframework.context.support.ClassPathXmlApplicationContext;

public class CurrencyConverterClient {

public static void main(String args[]) throws Exception {

ApplicationContext factory = new ClassPathXmlApplicationContext("anno.xml");

CurrencyConverter curr = (CurrencyConverter) factory.getBean("currencyConverter");

double rupees = curr.dollarsToRupees(50.0);

System.out.println("50 $ is "+rupees+" Rs.");

}

}

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*Output\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**Jun 16, 2015 10:38:57 AM org.springframework.context.support.AbstractApplicationContext prepareRefresh**

**INFO: Refreshing org.springframework.context.support.ClassPathXmlApplicationContext@18e0d81: startup date [Tue Jun 16 10:38:57 IST 2015]; root of context hierarchy**

**Jun 16, 2015 10:38:57 AM org.springframework.beans.factory.xml.XmlBeanDefinitionReader loadBeanDefinitions**

**INFO: Loading XML bean definitions from class path resource [anno.xml]**

ExchangeServiceImpl()

CurrencyConverterImpl()

in init() - called thru @PostConstruct

dollarsToRupees()

getExchangeRate()

50 $ is 2212.5 Rs.

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*anno.xml\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

<beans xmlns="http://www.springframework.org/schema/beans"

xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:context="http://www.springframework.org/schema/context"

xsi:schemaLocation="http://www.springframework.org/schema/beans

http://www.springframework.org/schema/beans/spring-beans-4.0.xsd

http://www.springframework.org/schema/context

http://www.springframework.org/schema/context/spring-context-4.0.xsd">

<context:component-scan base-package="com.igate.anno" />

</beans>

**010\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*-HelloWord Using Boot\*\*\*\*\*\*\*\*\***

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*CurrencyConverter.java\*\*\*\*\*\*\*\*\*\*\*\*\*\***

package com.igate.anno;

public interface CurrencyConverter {

public double dollarsToRupees(double dollars);

}

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* CurrencyConverterImpl.java\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

package com.igate.anno;

import javax.annotation.PostConstruct;

import javax.annotation.PreDestroy;

import org.springframework.beans.factory.annotation.Autowired;

import org.springframework.stereotype.Component;

@Component("currencyConverter")

public class CurrencyConverterImpl implements CurrencyConverter {

// currencyConverterImpl

@PostConstruct

void init(){

System.out.println("in init() - called thru @PostConstruct");

}

@PreDestroy

void destroy(){

System.out.println("in destroy() - called thru @PreDestroy");

}

public CurrencyConverterImpl() {

System.out.println("CurrencyConverterImpl()");

}

@Autowired

public CurrencyConverterImpl(ExchangeServiceImpl exchangeService) {

System.out.println("CurrencyConverterImpl()");

this.exchangeService = exchangeService;

}

@Autowired

private ExchangeServiceImpl exchangeService;

/\*public ExchangeServiceImpl getExchangeService() {

System.out.println("getExchangeService()");

return exchangeService;

}

@Autowired

public void setExchangeService(ExchangeServiceImpl exchangeService) {

System.out.println("setExchangeService()");

this.exchangeService = exchangeService;

}\*/

public double dollarsToRupees(double dollars) {

System.out.println("dollarsToRupees()");

return dollars \* exchangeService.getExchangeRate();

}

};

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* ExchangeService.java\*\*\*\*\*\*\*\*\*\***

package com.igate.anno;

public interface ExchangeService {

public double getExchangeRate();

}

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* ExchangeServiceImpl.java\*\*\*\*\*\*\*\***

package com.igate.anno;

import org.springframework.beans.factory.annotation.Value;

import org.springframework.stereotype.Component;

@Component("exchangeService")

public class ExchangeServiceImpl implements ExchangeService {

@Value("44.25")

private double exchangeRate;

public ExchangeServiceImpl() {

System.out.println("ExchangeServiceImpl()"); }

public double getExchangeRate() {

System.out.println("getExchangeRate()");

return exchangeRate;

}

}

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* CurrencyConverterClient.java\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

package com.igate.anno;

import org.springframework.boot.SpringApplication;

import org.springframework.boot.autoconfigure.EnableAutoConfiguration;

import org.springframework.context.ApplicationContext;

import org.springframework.context.annotation.ComponentScan;

import org.springframework.context.annotation.Configuration;

import org.springframework.context.support.ClassPathXmlApplicationContext;

import com.igate.Client;

import com.igate.HelloWorld;

@Configuration

@EnableAutoConfiguration

@ComponentScan("com.igate.anno")

public class CurrencyConverterClient {

public static void main(String[] args) {

ApplicationContext context = SpringApplication.run(CurrencyConverterClient.class, args);

CurrencyConverter curr = (CurrencyConverter) context.getBean("currencyConverter");

double rupees = curr.dollarsToRupees(50.0);

System.out.println("50 $ is "+rupees+" Rs.");

}

}

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*output\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

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**:: Spring Boot :: (v1.0.0.RELEASE)**

**[2015-06-16 10:47:03.345] - 4308 INFO [main] --- com.igate.anno.CurrencyConverterClient: Starting CurrencyConverterClient on PUNL6553 with PID 4308 (started by vs821219)**

**[2015-06-16 10:47:03.439] - 4308 INFO [main] --- org.springframework.context.annotation.AnnotationConfigApplicationContext: Refreshing org.springframework.context.annotation.AnnotationConfigApplicationContext@13f5a29: startup date [Tue Jun 16 10:47:03 IST 2015]; root of context hierarchy**

ExchangeServiceImpl()

CurrencyConverterImpl()

in init() - called thru @PostConstruct

**[2015-06-16 10:47:03.953] - 4308 INFO [main] --- org.springframework.jmx.export.annotation.AnnotationMBeanExporter: Registering beans for JMX exposure on startup**

dollarsToRupees()

getExchangeRate()

50 $ is 2212.5 Rs.

**[2015-06-16 10:47:04.047] - 4308 INFO [main] --- com.igate.anno.CurrencyConverterClient: Started CurrencyConverterClient in 0.858 seconds (JVM running for 1.041)**

**in destroy() - called thru @PreDestroy**

**[2015-06-16 10:47:04.047] - 4308 INFO [Thread-1] --- org.springframework.context.annotation.AnnotationConfigApplicationContext: Closing org.springframework.context.annotation.AnnotationConfigApplicationContext@13f5a29: startup date [Tue Jun 16 10:47:03 IST 2015]; root of context hierarchy**

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*HelloWorld.java\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

package com.igate;

import org.springframework.stereotype.Component;

@Component("hello")

public class HelloWorld {

public String sayHello()

{ return "Hello"; }

}

**\*\*\*\*\*\*\*\*\*Client.java\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

package com.igate;

import org.springframework.boot.SpringApplication;

import org.springframework.boot.autoconfigure.EnableAutoConfiguration;

import org.springframework.context.ApplicationContext;

import org.springframework.context.annotation.ComponentScan;

import org.springframework.context.annotation.Configuration;

@Configuration

@EnableAutoConfiguration

@ComponentScan("com.igate")

public class Client {

public static void main(String[] args) {

//spring boot is only suppored by application context

ApplicationContext context = SpringApplication.run(Client.class, args);

HelloWorld bean = (HelloWorld) context.getBean(HelloWorld.class);

String s=bean.sayHello();

System.out.println(s);

}

}

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*output\*\*\*\*\*\*\*\*\*\*\*\*\*\***

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**:: Spring Boot :: (v1.0.0.RELEASE)**

**[2015-06-16 10:48:55.634] - 2924 INFO [main] --- com.igate.Client: Starting Client on PUNL6553 with PID 2924 (started by vs821219)**

**[2015-06-16 10:48:55.681] - 2924 INFO [main] --- org.springframework.context.annotation.AnnotationConfigApplicationContext: Refreshing org.springframework.context.annotation.AnnotationConfigApplicationContext@13f5a29: startup date [Tue Jun 16 10:48:55 IST 2015]; root of context hierarchy**

**[2015-06-16 10:48:55.930] - 2924 INFO [main] --- org.springframework.beans.factory.support.DefaultListableBeanFactory: Overriding bean definition for bean 'org.springframework.boot.autoconfigure.AutoConfigurationPackages': replacing [Generic bean: class [org.springframework.boot.autoconfigure.AutoConfigurationPackages$BasePackages]; scope=; abstract=false; lazyInit=false; autowireMode=0; dependencyCheck=0; autowireCandidate=true; primary=false; factoryBeanName=null; factoryMethodName=null; initMethodName=null; destroyMethodName=null] with [Generic bean: class [org.springframework.boot.autoconfigure.AutoConfigurationPackages$BasePackages]; scope=; abstract=false; lazyInit=false; autowireMode=0; dependencyCheck=0; autowireCandidate=true; primary=false; factoryBeanName=null; factoryMethodName=null; initMethodName=null; destroyMethodName=null]**

ExchangeServiceImpl()

CurrencyConverterImpl()

in init() - called thru @PostConstruct

**[2015-06-16 10:48:56.242] - 2924 INFO [main] --- org.springframework.jmx.export.annotation.AnnotationMBeanExporter: Registering beans for JMX exposure on startup**

**[2015-06-16 10:48:56.337] - 2924 INFO [main] --- com.igate.Client: Started Client in 0.828 seconds (JVM running for 1.07)**

Hello

**[2015-06-16 10:48:56.337] - 2924 INFO [Thread-1] --- org.springframework.context.annotation.AnnotationConfigApplicationContext: Closing** **org.springframework.context.annotation.AnnotationConfigApplicationContext@13f5a29: startup date [Tue Jun 16 10:48:55 IST 2015]; root of context hierarchy**

**[2015-06-16 10:48:56.337] - 2924 INFO [Thread-1] --- org.springframework.jmx.export.annotation.AnnotationMBeanExporter: Unregistering JMX-exposed beans on shutdown**

in destroy() - called thru @PreDestroy

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*011-Internationlization\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*src/applicationResources\_en\_GB.properties\*\***

welcome.message = Welcome u'r in England

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*src/applicationResources\_en\_US.properties\*\***

welcome.message = Welcome u'r in US

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*src/applicationResources\_in\_HN.properties\*\***

welcome.message = Bharat Me apka swagat hei

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*src/applicationResources\_in\_TG.properties\*\***

welcome.message = bhartanu apka sagatachu..

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*message.xml\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

<?xml version="1.0" encoding="UTF-8"?>

<beans xmlns="http://www.springframework.org/schema/beans"

xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xmlns:aop="http://www.springframework.org/schema/aop"

xsi:schemaLocation="http://www.springframework.org/schema/beans

http://www.springframework.org/schema/beans/spring-beans-4.0.xsd">

<bean id="messageSource"

class="org.springframework.context.support.ResourceBundleMessageSource">

<property name="basename"><value>applicationResources</value></property>

</bean>

</beans>

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* MessageClient.java\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

package com.igate.msg;

import java.util.Locale;

import org.springframework.context.ApplicationContext;

import org.springframework.context.MessageSource;

import org.springframework.context.support.ClassPathXmlApplicationContext;

public class MessageClient {

public static void main(String args[]) throws Exception {

ApplicationContext ctx = new ClassPathXmlApplicationContext("message.xml");

MessageSource messageSource = (MessageSource) ctx.getBean("messageSource");

//Locale locale = new Locale("en","US");

Locale locale = new Locale("in","HN");

String msg = messageSource.getMessage("welcome.message",null,locale);

System.out.println(msg);

}

}

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*output\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**Jun 16, 2015 11:12:40 AM org.springframework.context.support.AbstractApplicationContext prepareRefresh**

**INFO: Refreshing org.springframework.context.support.ClassPathXmlApplicationContext@18e0d81: startup date [Tue Jun 16 11:12:40 IST 2015]; root of context hierarchy**

**Jun 16, 2015 11:12:40 AM org.springframework.beans.factory.xml.XmlBeanDefinitionReader loadBeanDefinitions**

**INFO: Loading XML bean definitions from class path resource [message.xml]**

bharat mein aapka swagat hai

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*Thank You\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***