//Example of Autowired using Annotations

**package** com.nikesh;

**public** **class** Capital {

**private** String name;

**public** String getName() {

**return** name;

}

**public** **void** setName(String name) {

**this**.name = name;

}

@Override

**public** String toString() {

**return** "Capital [name=" + name + "]";

}

}

//class file name: Country

**package** com.nikesh;

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

**public** **class** Country {

**private** String countryName;

@Autowired

**private** Capital capital;

**public** String getCountryName() {

**return** countryName;

}

**public** **void** setCountryName(String countryName) {

**this**.countryName = countryName;

}

**public** Capital getCapital() {

**return** capital;

}

**public** **void** setCapital(Capital capital) {

**this**.capital = capital;

}

@Override

**public** String toString() {

**return** "Country [countryName=" + countryName + ", capital=" + capital.toString() + "]";

}

}

//class file name:Country2

**package** com.nikesh;

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

**import** org.springframework.beans.factory.annotation.Qualifier;

**public** **class** Country2 {

**private** String countryName;

@Autowired

@Qualifier(value="myCapital2")

**private** Capital capital;

**public** String getCountryName() {

**return** countryName;

}

**public** **void** setCountryName(String countryName) {

**this**.countryName = countryName;

}

**public** Capital getCapital() {

**return** capital;

}

**public** **void** setCapital(Capital capital) {

**this**.capital = capital;

}

@Override

**public** String toString() {

**return** "Country [countryName=" + countryName + ", capital=" + capital.toString() + "]";

}

}

//Main class file: AppMain

//package name:com.spring

**package** com.spring;

**import** org.springframework.context.ApplicationContext;

**import** org.springframework.context.support.ClassPathXmlApplicationContext;

**import** com.springautowired.Country;

**import** com.springautowired.Country2;

**public** **class** AppMain {

**private** **static** **void** autowired(String file) {

ApplicationContext ac = **new** ClassPathXmlApplicationContext(file);

**if** (file.equalsIgnoreCase("autowired.xml")) {

Country country = ac.getBean("myCountry", Country.**class**);

System.***out***.println(country.toString());

} **else** {

Country2 country = ac.getBean("myCountry", Country2.**class**);

System.***out***.println(country.toString());

}

}

**public** **static** **void** main(String[] args) {

**int** choice = Menu.*displayMenu*();

**switch** (choice) {

**case** 1:

System.***out***.println("'Autowired annotation' selected");

*autowired*("autowired.xml");

**break**;

**case** 2:

System.***out***.println("'Autowired with Qualifier annotation' selected");

*autowired*("autowired-qualifier.xml");

**break**;

**default**:

System.***err***.println("Invalid choice.");

}

}

}

//class file name:Menu

**package** com.spring;

public class Menu {

**public** **static** **int** displayMenu() {

// **TODO** Auto-generated method stub

**return** 0;

}

}

///autowired-qualifier.xml file

<?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:context=*"http://www.springframework.org/schema/context"*

xsi:schemaLocation=*"*

[*http://www.springframework.org/schema/beans*](http://www.springframework.org/schema/beans)[*http://www.springframework.org/schema/beans/spring-beans.xsd*](http://www.springframework.org/schema/beans/spring-beans.xsd)

[*http://www.springframework.org/schema/context*](http://www.springframework.org/schema/context)[*http://www.springframework.org/schema/context/spring-context.xsd*](http://www.springframework.org/schema/context/spring-context.xsd)*"*>

<!-- Used to activate the @Autowired annotation in Spring -->

<context:annotation-config />

<bean id=*"myCapital1"* class=*"com.springautowired.Capital"*>

<property name=*"name"* value=*"The Hague"* />

</bean>

<bean id=*"myCapital2"* class=*"com.springautowired.Capital"*>

<property name=*"name"* value=*"Amsterdam"* />

</bean>

<bean id=*"myCountry"* class=*"com.springautowired.Country2"*>

<property name=*"countryName"* value=*"Netherlands"* />

</bean>

</beans>

Output: Invalid choice.