V 8-9

**How to inject Collection types List, Set, Map and Properties in Spring xml configuration**

**Emp.java**

**package** com.atmprk.collection.injection;

**import** java.util.List;

**import** java.util.Map;

**import** java.util.Set;

**public** **class** Emp {

**private** String name;

**private** Set<String>phones;

**private** List<String>addresses;

**private** Map<String, String> courses;

**public** String getName() {

**return** name;

}

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

**this**.name = name;

}

**public** Set<String> getPhones() {

**return** phones;

}

**public** **void** setPhones(Set<String> phones) {

**this**.phones = phones;

}

**public** List<String> getAddresses() {

**return** addresses;

}

**public** **void** setAddresses(List<String> addresses) {

**this**.addresses = addresses;

}

**public** Map<String, String> getCourses() {

**return** courses;

}

**public** **void** setCourses(Map<String, String> courses) {

**this**.courses = courses;

}

**public** Emp(String name, Set<String> phones, List<String> addresses, Map<String, String> courses) {

**super**();

**this**.name = name;

**this**.phones = phones;

**this**.addresses = addresses;

**this**.courses = courses;

}

**public** Emp() {

**super**();

// **TODO** Auto-generated constructor stub

}}

**config.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"*

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

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

<bean class=*"com.atmprk.collection.injection.Emp"* name=*"emp1"*>

<property name=*"name"* value=*"Atim Pramanik"*/>

<property name=*"phones"*>

<set>

<value>7585851723</value>

<value>9003834521</value>

<value>7003817427</value>

<value>9635800376</value>

</set>

</property>

<property name=*"addresses"*>

<list>

<value>Kolkata</value>

<value>Delhi</value>

<value>Bangalore</value>

<value>Chennai</value>

</list>

</property>

<property name=*"courses"*>

<map>

<entry key=*"Java"* value=*"2 months"*/>

<entry key=*"python"* value=*"1 months"*/>

<entry key=*"Django"* value=*"15 days"*/>

</map>

</property>

</bean>

</beans>

**Test.java**

**package** com.atmprk.collection.injection;

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

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

**public** **class** Test {

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

ApplicationContext context= **new** ClassPathXmlApplicationContext("com/atmprk/collection/injection/config.xml");

Emp e=(Emp)context.getBean("emp1");

System.***out***.println(e.getName()+" "+ e.getPhones()+" "+ e.getAddresses()+" "+e.getCourses());

System.***out***.println(e);

System.***out***.println(e.getName());

System.***out***.println(e.getPhones());

System.***out***.println(e.getAddresses());

System.***out***.println(e.getCourses());

}

}

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