

Create bean factory - using Hibernate. ( **Bean Factory Creation** )

Create a Maven ( Quick start project ) and mentioned the group id ( **com.spring.practice** ), and artifactid **BeanFactoryEx\_1**

Create a model name Student in **com.spring.practice.BeanFactoryEx\_1** package under src/main/java

```
package com.spring.practice.BeanFactoryEx_1;

public class Student {
    private String name;
    private String age;

    public Student() { }

    public Student(String name, String age) {
        this.name = name;
        this.age = age;
    }
    @Override
    public String toString() {
        return "Student{" + "name='" + name + '\'' + ",
age='" + age + '\'' + '}';
    }
}
```

Then, create a package name **resources** under src/main/java folder and add file with name as a **spring-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
    https://www.springframework.org/schema/beans/spring-
beans.xsd">
```

```

    <bean id="student" class =
"com.spring.practice.BeanFactoryEx_1.Student">
        <constructor-arg name="name" value="Kalpesh Shah"/>
        <constructor-arg name="age" value="25"/>
    </bean>
</beans>

```

Then add the below dependency in **pom.xml** file between

```

<dependencies>
    -----
</dependencies>

    <dependency>
        <groupId>org.springframework</groupId>
        <artifactId>spring-core</artifactId>
        <version>6.0.11</version>
    </dependency>
    <dependency>
        <groupId>org.springframework</groupId>
        <artifactId>spring-context</artifactId>
        <version>6.0.11</version>
    </dependency>

```

Then add the below code in App.java file.....

```

package com.spring.practice.BeanFactoryEx_1;

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

public class App {
    public static void main( String[] args ) {
        @SuppressWarnings("resource")
        BeanFactory factory = new ClassPathXmlApplicationContext
            ("resources/Spring-Config.xml");
        Student student = (Student) factory.getBean("student");
        System.out.println(student);
    }
}

```