

SPRING FIRST APPLICATION IN ECLIPSE

Download Links:

JDK:

<http://www.oracle.com/technetwork/java/javase/downloads/java-archive-downloads-javase7-521261.html>

Eclipse:

<https://www.eclipse.org/downloads/packages/eclipse-ide-java-ee-developers/lunasr2>

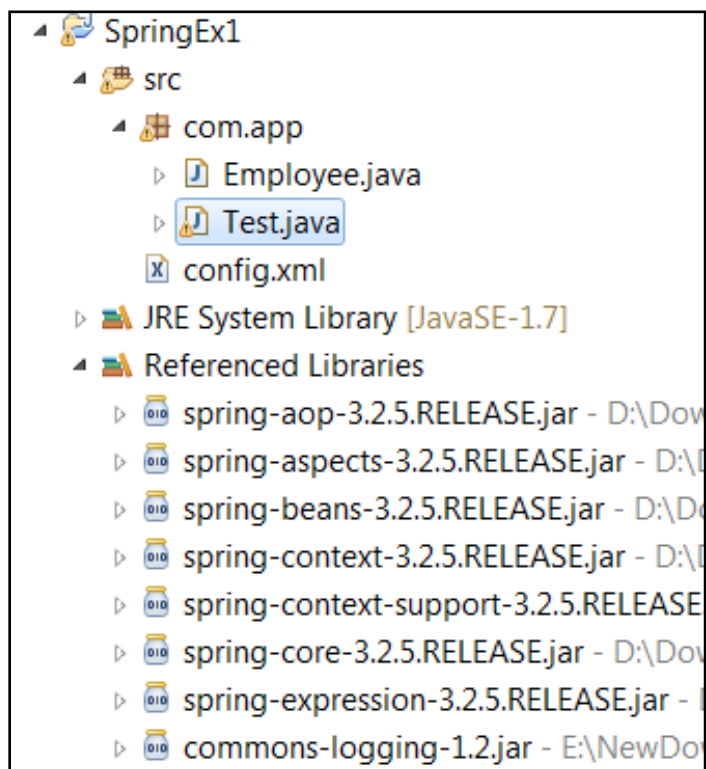
Spring Jars :

<https://repo.spring.io/release/org/springframework/spring/3.2.6.RELEASE/spring-framework-3.2.6.RELEASE-dist.zip>

Commons Logging Jar:

<http://www-eu.apache.org/dist/commons/logging/binaries/commons-logging-1.2-bin.zip>

Folder Structure:-



SETUP:

#1 Create Java Project In Eclipse

=> File Menu=>New Option =>Java Project =>Enter Project Name =>finish

Ex ProjectName : SpringEx1

#2 Add Jars to project (Spring +Commons Logging Jars)

=>Right click on Project =>Build Path.. =>Configure Build Path =>Choose

"Library" Tab. =>Click "Add External Jars" =>Choose Spring Jars & commons

Logging jar => finish/ok

CODING:**1. Spring Bean (.java)**

=>Right click on src folder =>new option => choose "class" =>Enter Package & name

ex: Package =com.app name = Employee

=>click on Finish button.

code:Employee.java

```
package com.app;
```

```
public class Employee {
```

```
    private int empld;
```

```
    private String empName;
```

```
    private double empSal;
```

```
    public int getEmpld() {
```

```
        return empld;
```

```
    }
```

```
    public void setEmpld(int empld) {
```

```
        this.empld = empld;
```

```
    }
```

```
    public String getEmpName() {
```

```
        return empName;
```

```
    }
```

```

    public void setEmpName(String empName) {
        this.empName = empName;
    }
    public double getEmpSal() {
        return empSal;
    }
    public void setEmpSal(double empSal) {
        this.empSal = empSal;
    }
    @Override
    public String toString() {
        return "Employee [empId=" + empId + ", empName=" + empName
+ ", empSal=" + empSal + "]";
    }
}

```

2.Spring configuration file(.xml)

=>right click on src folder => choose new => goto other... =>Search and select "XML File"

=>Next =>Enter name ex: config.xml =>finish button.

code: **config.xml**

```

<?xml version="1.0" encoding="UTF-8"?>
<beans xmlns="http://www.springframework.org/schema/beans"
    xmlns:p="http://www.springframework.org/schema/p"
    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-3.0.xsd
    ">
    <bean class="com.app.Employee" name="empObj">
        <property name="empId">
            <value>10</value>
        </property>
        <property name="empName">
            <value>ABC</value>
        </property>
    </bean>

```

```
        </property>
        <property name="empSal">
            <value>12.36</value>
        </property>
    </bean>
</beans>
```

3. Test class:

=>Right click on src folder =>new =>class => Enter name & package

ex: package=com.app,Name=Test

code: Test.java

package com.app;

import org.springframework.context.ApplicationContext;

import org.springframework.context.support.ClassPathXmlApplicationContext;

public class Test {

//main ctrl+space enter

public static void main(String[] args) {

ApplicationContext ctx=**new** ClassPathXmlApplicationContext("config.xml");

Object ob=ctx.getBean("empObj");

Employee e=(Employee) ob;

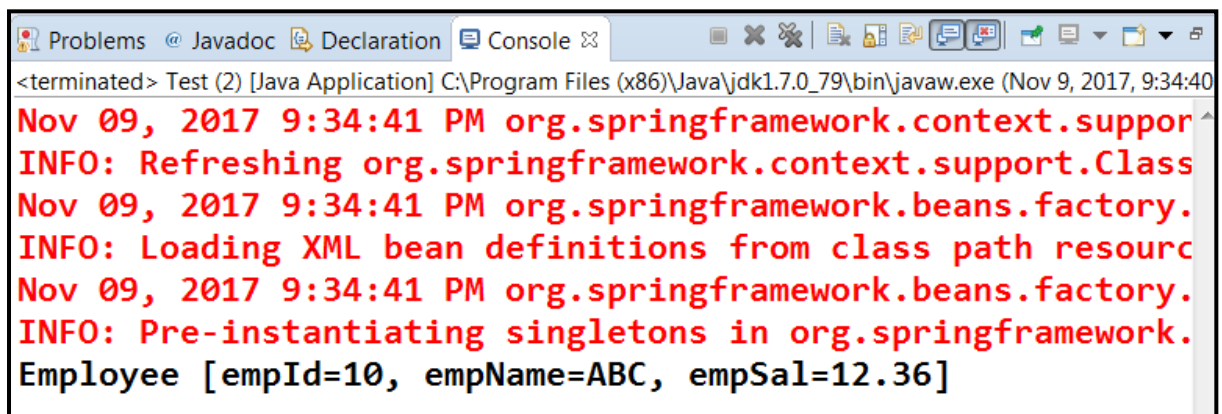
System.**out**.println(e);

}

}

=>Run Menu=>Run option or (ctrl+F11)

output:



```
<terminated> Test (2) [Java Application] C:\Program Files (x86)\Java\jdk1.7.0_79\bin\javaw.exe (Nov 9, 2017, 9:34:40)
Nov 09, 2017 9:34:41 PM org.springframework.context.support
INFO: Refreshing org.springframework.context.support.Class
Nov 09, 2017 9:34:41 PM org.springframework.beans.factory.
INFO: Loading XML bean definitions from class path resourc
Nov 09, 2017 9:34:41 PM org.springframework.beans.factory.
INFO: Pre-instantiating singletons in org.springframework.
Employee [empId=10, empName=ABC, empSal=12.36]
```