## Handson 10th

Implementation of Constructor injection:

## **Education.java:**

```
package com.mou.sprincores.e2;
public class Education {
     public Education (String courseName, String specalisation, int duration)
            super();
            this.courseName = courseName;
            this.specalisation = specalisation;
            this.duration = duration;
      private String courseName;
      private String specalisation;
      private int duration;
      public String getCourseName() {
            return courseName;
      public void setCourseName(String courseName) {
            this.courseName = courseName;
      public String getSpecalisation() {
            return specalisation;
      public void setSpecalisation(String specalisation) {
            this.specalisation = specalisation;
      public int getDuration() {
            return duration;
      public void setDuration(int duration) {
            this.duration = duration;
      @Override
      public String toString() {
            return "courseName=" + courseName + ", specalisation=" +
specalisation + ", duration=" + duration
                        + "vears";
      }
Student.java:
package com.mou.sprincores.e2;
public class Student {
     public Student(int roll, String name, Education education) {
            super();
            this.roll = roll;
            this.name = name;
            this.education = education;
      private int roll;
```

```
private String name;
      private Education education;
      public int getRoll() {
            return roll;
      public void setRoll(int roll) {
            this.roll = roll;
      public String getName() {
            return name;
      public void setName(String name) {
            this.name = name;
      public Education getEducation() {
            return education;
      public void setEducation(Education education) {
            this.education = education;
      @Override
      public String toString() {
            return "Student's roll=" + roll + ", name=" + name + ",
education=" + education;
      }
Test.java:
package com.mou.sprincores.e2;
import org.springframework.context.ApplicationContext;
import org.springframework.context.support.ClassPathXmlApplicationContext;
public class Test {
      public static void main(String[] args) {
            @SuppressWarnings("resource")
            ApplicationContext context=new
ClassPathXmlApplicationContext("com/mou/sprincores/e2/NewFile.xml");
            @SuppressWarnings("unused")
            Student p=(Student) context.getBean("stu");
            System.out.println(p);
      }
NewFile.xml:
<beans xmlns="http://www.springframework.org/schema/beans"</pre>
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:context="http://www.springframework.org/schema/context"
      xmlns:p="http://www.springframework.org/schema/p"
      xsi:schemaLocation="http://www.springframework.org/schema/beans
http://www.springframework.org/schema/beans/spring-beans.xsd
http://www.springframework.org/schema/context
```

## **OUTPUT:**

