**Program No 5:**

Write a Spring program to demonstrate:

1) Accept the customer information and a ticket information

2) Create beans for customer and ticket using XML based configuration

3) With a menu driven program accept the information and display the same

Ticket.java

**package** My\_CustTicket;

**public** **class** Ticket {

**int** tno;

String description;

**int** price;

Customer customer;

**public** Customer getCustomer() {

**return** customer;

}

**public** **void** setCustomer(Customer customer) {

**this**.customer = customer;

}

**public** **int** getTno() {

**return** tno;

}

**public** **void** setTno(**int** tno) {

**this**.tno = tno;

}

**public** String getDescription() {

**return** description;

}

**public** **void** setDescription(String description) {

**this**.description = description;

}

**public** **int** getPrice() {

**return** price;

}

**public** **void** setPrice(**int** price) {

**this**.price = price;

}

@Override

**public** String toString() {

**return** "Ticket [tno=" + tno + ", description=" + description + ", price=" + price + ", customer - Number =" + customer.custno

+ " customer - name ="+customer.custname+"]";

}

}

Customer.java

**package** My\_CustTicket;

**public** **class** Customer {

**int** custno;

String custname;

**public** **int** getCustno() {

**return** custno;

}

**public** **void** setCustno(**int** custno) {

**this**.custno = custno;

}

**public** String getCustname() {

**return** custname;

}

**public** **void** setCustname(String custname) {

**this**.custname = custname;

}

}

CustTick\_Main.java

**package** My\_CustTicket;

**import** java.util.Scanner;

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

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

**public** **class** CustTick\_Main {

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

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

ApplicationContext ac = **new** ClassPathXmlApplicationContext("beans.xml");

Customer c = ac.getBean("customer",Customer.**class**);

System.***out***.println("Enter the customer details");

System.***out***.println("enter the customer no");

Scanner sc = **new** Scanner(System.***in***);

c.setCustno(sc.nextInt());

System.***out***.println("enter the customer name");

c.setCustname(sc.next());

System.***out***.println("Enter Ticket Details");

System.***out***.println("Enter Ticket No");

Ticket t = ac.getBean("tick",Ticket.**class**);

// t.setCustomer(c);

t.setTno(sc.nextInt());

System.***out***.println("Enter Ticket Description");

t.setDescription(sc.next());

System.***out***.println("Enter Ticket price");

t.setPrice(sc.nextInt());

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

}

}

Beans.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 id=*"customer"* class=*"My\_CustTicket.Customer"*>

<!-- collaborators and configuration for this bean go here -->

</bean>

<bean id=*"tick"* class=*"My\_CustTicket.Ticket"* scope=*"prototype"*>

<property name=*"customer"* ref=*"customer"*/>

<!-- collaborators and configuration for this bean go here -->

</bean>

<!-- more bean definitions go here -->

</beans>

Expected Output:

Enter the customer details

enter the customer no

12

enter the customer name

asdfasd

Enter Ticket Details

Enter Ticket No

25

Enter Ticket Description

asdfasdfd

Enter Ticket price

25444

Ticket [tno=25, description=asdfasdfd, price=25444, customer - Number =12 customer - name =asdfasd]