Q-1

**package** com.spring.core;

**public** **class** Address {

**private** String street;

**private** String city;

**private** String state;

**private** **int** zip;

**private** String country;

**public** Address(String street, String city, String state, **int** zip, String country) {

**super**();

**this**.street = street;

**this**.city = city;

**this**.state = state;

**this**.zip = zip;

**this**.country = country;

}

**public** String getStreet() {

**return** street;

}

**public** **void** setStreet(String street) {

**this**.street = street;

}

**public** String getCity() {

**return** city;

}

**public** **void** setCity(String city) {

**this**.city = city;

}

**public** String getState() {

**return** state;

}

**public** **void** setState(String state) {

**this**.state = state;

}

**public** **int** getZip() {

**return** zip;

}

**public** **void** setZip(**int** zip) {

**this**.zip = zip;

}

**public** String getCountry() {

**return** country;

}

**public** **void** setCountry(String country) {

**this**.country = country;

}

@Override

**public** String toString() {

**return** "street=" + street + ", city=" + city + ", state=" + state + ", zip=" + zip + ", country="

+ country ;

}

}

**package** com.spring.core;

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

**private** **int** customerId;

**private** String customerName;

**private** **long** customerContact;

**private** Address customerAddress;

**public** **int** getCustomerId() {

**return** customerId;

}

**public** **void** setCustomerId(**int** customerId) {

**this**.customerId = customerId;

}

**public** String getCustomerName() {

**return** customerName;

}

**public** **void** setCustomerName(String customerName) {

**this**.customerName = customerName;

}

**public** **long** getCusterContact() {

**return** customerContact;

}

**public** **void** setCustomerContact(**long** customerContact) {

**this**.customerContact = customerContact;

}

**public** Address getCustomerAddress() {

**return** customerAddress;

}

**public** **void** setCustomerAddress(Address customerAddress) {

**this**.customerAddress = customerAddress;

}

**public** **void** printdetails() {

System.***out***.println("Customer details :"+"\n Customer id : "+customerId+ "\n Customer name: "+customerName+"\n Customer contact: "+customerContact+"\n Customer Address : "+customerAddress);

}

}

**package** com.spring.core;

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

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

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

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

ApplicationContext context = **new** ClassPathXmlApplicationContext("spring.xml");

Customer customer = (Customer) context.getBean("customer");

customer.printdetails();

}

}

<?xml version=*"1.0"* encoding=*"UTF-8"*?>

<!DOCTYPE beans PUBLIC "-//SPRING//DTD BEAN 2.0//EN" "http://www.springframework.org/dtd/spring-beans-2.0.dtd">

<beans>

<bean id =*"customer"* class = *"com.spring.core.Customer"* >

<property name = *"customerId"* value=*"123"*/>

<property name = *"customerName"* value=*"ram"*/>

<property name = *"customerContact"* value=*"9664547744"*/>

<property name = *"customerAddress"* ref = *"address"*/>

</bean>

<bean id = *"address"* class = *"com.spring.core.Address"* >

<!-- <property name = "street" value ="sri nagar" />

<property name="city" value ="warangal"/>

<property name = "state" value = "T.S."/>

<property name = "zip" value ="506015"/>

<property name = "country" value = "India"/> -->

<constructor-arg index=*"0"* value =*"sri nagar"*/>

<constructor-arg index=*"1"* value =*"warangal"*/>

<constructor-arg index=*"2"* value =*"T.S."*/>

<constructor-arg index=*"3"* value =*"506015"*/>

<constructor-arg index=*"4"* value =*"India"*/>

</bean>

</beans

q-2

package org.spring.core2;

import java.util.List;

import java.util.Map;

import java.util.Set;

public class Question {

private String questionId;

private String question;

public String getQuestionId() {

return questionId;

}

public void setQuestionId(String questionId) {

this.questionId = questionId;

}

public String getQuestion() {

return question;

}

public void setQuestion(String question) {

this.question = question;

}

/\*

\* private List<String> answers;

\*

\* public List<String> getAnswers() { return answers; } public void

\* setAnswers(List<String> answers) { this.answers = answers; }

\*/

/\*

\* private Set<String> answers;

\*

\* public Set<String> getAnswers() { return answers; } public void

\* setAnswers(Set<String> answers) { this.answers = answers; }

\*/

private Map<Integer,String> answers;

public Map<Integer, String> getAnswers() {

return answers;

}

public void setAnswers(Map<Integer, String> answers) {

this.answers = answers;

}

public void printQuestion() {

System.out.println("question id : "+questionId+" Question: "+question);

/\*

\* for(String l : answers) { System.out.println("Answers are: \n"+ l);

\*/

for(Map.Entry<Integer,String> l : answers.entrySet()) {

System.out.println(l);

}

}

Test1 class:

package org.spring.core2;

import org.springframework.context.ApplicationContext;

import org.springframework.context.support.ClassPathXmlApplicationContext;

public class Test1 {

public static void main(String[] args) {

ApplicationContext context = new ClassPathXmlApplicationContext("spring1.xml");

Question question = (Question) context.getBean("question");

question.printQuestion();

}

}

Spring1.xml:

<?xml version="1.0" encoding="UTF-8"?>

<!DOCTYPE beans PUBLIC "-//SPRING//DTD BEAN 2.0//EN" "http://www.springframework.org/dtd/spring-beans-2.0.dtd">

<beans>

<bean id="question" class=" org.spring.core2.Question">

<property name="questionId" value="1"/>

<property name="question" value="Name Top 5 Indiab cricketers"/>

<property name ="answers" >

<!-- <list>

<value>sachin </value>

<value>dhoni </value>

<value>dravid </value>

<value>kohli </value>

<value>rohith </value>

</list> -->

<!-- <set>

<value>sachin </value>

<value> dhoni </value>

<value> dravid</value>

<value>kohli</value>

<value>rohith </value>

</set> -->

<map>

<entry key ="1" value ="sachin "/>

<entry key ="2" value =" dhoni "/>

<entry key ="3" value =" dravid"/>

<entry key ="4" value kohli"/>

<entry key ="5" value ="rohith "/>

</map>

</property>

</bean>

</beans>

Q-3

|  |
| --- |
| Package com.spring.core3; |
|  |  |
|  | import org.springframework.stereotype.Component; |
|  |  |
|  | @Component |
|  | public class BankAccount { |
|  | private long accountId; |
|  | private String accountHolderName; |
|  | private String accountType; |
|  | private int accountBalance; |
|  |  |
|  | public long getAccountId() { |
|  | return accountId; |
|  | } |
|  |  |
|  | public void setAccountId(long accountId) { |
|  | this.accountId = accountId; |
|  | } |
|  |  |
|  | public String getAccountHolderName() { |
|  | return accountHolderName; |
|  | } |
|  |  |
|  | public void setAccountHolderName(String accountHolderName) { |
|  | this.accountHolderName = accountHolderName; |
|  | } |
|  |  |
|  | public String getAccountType() { |
|  | return accountType; |
|  | } |
|  |  |
|  | public void setAccountType(String accountType) { |
|  | this.accountType = accountType; |
|  | } |
|  |  |
|  | public int getAccountBalance() { |
|  | return accountBalance; |
|  | } |
|  |  |
|  | public void setAccountBalance(int accountBalance) { |
|  | this.accountBalance = accountBalance; |
|  | } |

Package com.spring.core3

|  |
| --- |
| public interface BankAccountRepository { |
|  | public double getBalance(long accountId); |
|  | public double updateBalance(long accountId, double newBalance); |
|  | } |

package com.spring.core3;

import org.springframework.stereotype.Component;

|  |
| --- |
| @Component |
|  | public class BankAccountRepositoryImpl implements BankAccountRepository{ |
|  | double initialBalance=100000; |
|  |  |
|  | public double getBalance(long accountId) { |
|  | System.out.println("Account balance is: "+initialBalance); |
|  | return 0; |
|  | } |
|  |  |
|  | public double updateBalance(long accountId, double newBalance) { |
|  |  |
|  | System.out.println("Account balance is: "+newBalance); |
|  | return 0; |
|  | } |
|  | } |

|  |
| --- |
| package com.spring.core3; |
|  |  |
|  | public interface BankAccountService { |
|  | public double withdraw(long accountId, double balance); |
|  | public double deposit(long accountId, double balance); |
|  | public double getBalance(long accountId); |
|  | public boolean fundTransfer(long fromAccount, long toAccount, double amont); |
|  | } |

|  |
| --- |
| package com.spring.core3; |
|  |  |
|  | import java.util.Scanner; |
|  |  |
|  | import org.springframework.stereotype.Component; |
|  |  |
|  | @Component |
|  | public class BankAccountServiceImpl implements BankAccountService |
|  | { |
|  | double withdrawAmount; |
|  | double depositAmount; |
|  | int initialBalance= 100000; |
|  | public double withdraw(long accountId, double withdrawAmount) { |
|  |  |
|  | System.out.println("The amount that is withdrawn is: "+withdrawAmount); |
|  | return 0; |
|  | } |
|  |  |
|  | public double deposit(long accountId, double depositAmount) { |
|  |  |
|  | System.out.println("The amount that is deposited is: "+depositAmount); |
|  | return 0; |
|  | } |
|  |  |
|  | public double getBalance(long accountId) |
|  | { |
|  | System.out.println("Enter: 1.Deposit \n 2.Withdrawl"); |
|  | Scanner sc= new Scanner(System.in); |
|  | int choice = sc.nextInt(); |
|  | if(choice==1) { |
|  | System.out.println("The amount in "+accountId+" after depositing "+depositAmount+" is: "+(initialBalance+depositAmount ) );} |
|  | else |
|  | System.out.println("The amount in "+accountId+" after with drwaing "+withdrawAmount+" is: "+(initialBalance-withdrawAmount ) ); |
|  | sc.close(); |
|  | return 0; |
|  |  |
|  | } |
|  |  |
|  | public boolean fundTransfer(long fromAccount, long toAccount, double amont) { |
|  | return false; |
|  | } |
|  |  |
|  |  |
|  | } |

|  |
| --- |
| package com.spring.core3; |
|  |
| import java.util.Scanner; |
|  |  |
|  | import org.springframework.stereotype.Component; |
|  |  |
|  | @Component |
|  | public class Controller { |
|  | double withdrawAmount; |
|  | double depositAmount; |
|  | int initialBalance= 100000; |
|  | public double withdraw(long accountId, double withdrawAmount) { |
|  | this.withdrawAmount=withdrawAmount; |
|  | System.out.println("The amount that is withdrawn is: "+withdrawAmount); |
|  | return 0;} |
|  | public double deposit(long accountId, double depositAmount) { |
|  | this.depositAmount= depositAmount; |
|  | System.out.println("The amount that is deposited is: "+depositAmount); |
|  | return 0;} |
|  | public double getBalance(long accountId) { |
|  | System.out.println("Enter the respective number please: 1.Did you just Deposited? \n 2.Did you just Withdrawl? \n 3.Neither depoisted nor withdrawn"); |
|  | Scanner sc= new Scanner(System.in); |
|  | int choice = sc.nextInt(); |
|  | if(choice==1) { |
|  | System.out.println("The amount in "+accountId+" after depositing "+depositAmount+" is: "+(initialBalance+depositAmount ) );} |
|  | if(choice==2) { |
|  | System.out.println("The amount in "+accountId+" after with drwaing "+withdrawAmount+" is: "+(initialBalance-withdrawAmount ) );} |
|  | if(choice==3) System.out.println("The account balance is: "+initialBalance); |
|  | sc.close(); |
|  | return 0; |
|  | } |
|  | public boolean fundTransfer(long fromAccount, long toAccount, double amount) { |
|  |  |
|  | return false;} |
|  | } |

|  |
| --- |
| package com.spring.core3; |
|  |  |
|  | 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("q3.xml"); |
|  | Controller b = (Controller)context.getBean("controller"); |
|  | b.deposit(375345,10000); |
|  | b.withdraw(375345, 500); |
|  | b.getBalance(375345); |
|  | } |
|  | } |

Q-4

|  |
| --- |
| package q4; |
|  |  |
|  | import org.springframework.stereotype.Component; |
|  |  |
|  | @Component |
|  | public class BankAccount { |
|  | private long accountId; |
|  | private String accountHolderName; |
|  | private String accountType; |
|  | private int accountBalance; |
|  |  |
|  | public long getAccountId() { |
|  | return accountId; |
|  | } |
|  |  |
|  | public void setAccountId(long accountId) { |
|  | this.accountId = accountId; |
|  | } |
|  |  |
|  | public String getAccountHolderName() { |
|  | return accountHolderName; |
|  | } |
|  |  |
|  | public void setAccountHolderName(String accountHolderName) { |
|  | this.accountHolderName = accountHolderName; |
|  | } |
|  |  |
|  | public String getAccountType() { |
|  | return accountType; |
|  | } |
|  |  |
|  | public void setAccountType(String accountType) { |
|  | this.accountType = accountType; |
|  | } |
|  |  |
|  | public int getAccountBalance() { |
|  | return accountBalance; |
|  | } |
|  |  |
|  | public void setAccountBalance(int accountBalance) { |
|  | this.accountBalance = accountBalance; |
|  | } |

q-5

package org.spring.core5;

public class Company {

private String name;

private String location;

public String getName() {

return name;

}

public void setName(String name) {

this.name = name;

}

public String getLocation() {

return location;

}

@Required

public void setLocation(String location) {

this.location = location;

}

@Override

public String toString() {

return "Company [name=" + name + ", location=" + location + "]";

}

}

Employee class:

package org.spring.core5;

import javax.annotation.Resource;

import javax.inject.Inject;

public class Employee {

private String id;

private String name;

/\*

\* @Resource(name="company") private Company company;

\*/

@Inject

private Company company;

public String getId() {

return id;

}

public void setId(String id) {

this.id = id;

}

public String getName() {

return name;

}

public void setName(String name) {

this.name = name;

}

public Company getCompany() {

return company;

}

public void setCompany(Company company) {

this.company = company;

}

public void printlog() {

System.out.println("Employee [id=" + id + ", name=" + name + ", company=" + company.toString() + "]");

}

}

package org.spring.core5;

import org.springframework.context.ApplicationContext;

import org.springframework.context.support.ClassPathXmlApplicationContext;

public class Test5 {

public static void main(String[] args) {

ApplicationContext context = new ClassPathXmlApplicationContext("spring5.xml");

Employee employee = (Employee) context.getBean("employee");

employee.printlog();

}

}

spring5.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" xmlns:context="http://www.springframework.org/schema/context"

xsi:schemaLocation="

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

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

<context:annotation-config />

<bean id="company" class="org.spring.core5.Company">

<property name="name" value="hero " />

<!-- <property name="location" value="warangal " />

--> </bean>

<bean id="employee" class=" org.spring.core5.Employee">

<property name="id" value="123" />

<property name="name" value="ram " />

</bean>

</beans>

Q-6

|  |  |
| --- | --- |
| package com.spring.core6; |  |
|  |  |  |
|  |  | import org.springframework.beans.factory.annotation.Autowired; |
|  |  | import org.springframework.context.annotation.Bean; |
|  |  | import org.springframework.context.annotation.Configuration; |
|  |  | import org.springframework.context.annotation.PropertySource; |
|  |  | import org.springframework.core.env.Environment; |
|  |  |  |
|  |  | @Configuration |
|  |  | @PropertySource("classpath:db.properties") |
|  |  | @PropertySource("classpath:root.properties") |
|  |  | public class DBConfiguration { |
|  |  |  |
|  |  | @Autowired |
|  |  | Environment env; |
|  |  |  |
|  |  | @Bean |
|  |  | public DBConnection getDBConnection() { |
|  |  | System.out.println("Getting DBConnection Bean for App: "+env.getProperty("APP\_NAME")); |
|  |  | DBConnection dbConnection = new DBConnection(env.getProperty("DB\_DRIVER\_CLASS"), env.getProperty("DB\_URL"), env.getProperty("DB\_USERNAME"), env.getProperty("DB\_PASSWORD").toCharArray()); |
|  |  | return dbConnection; |
|  |  | } |
|  |  |  |
|  |  | } |

|  |
| --- |
| package com.spring.core6; |
|  |  |
|  | import java.sql.Connection; |
|  | import java.sql.DriverManager; |
|  | import java.sql.SQLException; |
|  |  |
|  | public class DBConnection { |
|  |  |
|  | private String driverClass; |
|  | private String dbURL; |
|  | private String userName; |
|  | private char[] password; |
|  | private Connection con; |
|  |  |
|  | public DBConnection(String driverClass, String dbURL, String userName, char[] password) { |
|  | this.driverClass = driverClass; |
|  | this.dbURL = dbURL; |
|  | this.userName = userName; |
|  | this.password = password; |
|  | } |
|  |  |
|  | public Connection getConnection() { |
|  | if (this.con != null) |
|  | return con; |
|  |  |
|  | Connection con = null; |
|  | try { |
|  | System.out.println("Creating DB Connection"); |
|  | Class.forName(driverClass); |
|  | con = DriverManager.getConnection(dbURL, userName, String.valueOf(password)); |
|  | System.out.println("Successfully Created DB Connection"); |
|  | } catch (ClassNotFoundException | SQLException e) { |
|  | e.printStackTrace(); |
|  | } |
|  | this.con = con; |
|  | return con; |
|  | } |
|  |  |
|  | public void close() { |
|  | System.out.println("DBConnection close called"); |
|  | if (this.con != null) { |
|  | try { |
|  | con.close(); |
|  | } catch (SQLException e) { |
|  | e.printStackTrace(); |
|  | } |
|  | } |
|  | } |
|  | } |

|  |
| --- |
| #MYSQL Database Configurations |
|  | DB\_DRIVER\_CLASS=com.mysql.jdbc.Driver |
|  | DB\_URL=jdbc:mysql://localhost:3306/jdbcdb |
|  | DB\_USERNAME=ram |
|  | DB\_PASSWORD=winn123 |

|  |
| --- |
| APP\_NAME=PropertySource Example |

q-7

|  |
| --- |
| Package com.spring.core7; |
|  |  |
|  | import org.springframework.beans.factory.annotation.Autowired; |
|  | import org.springframework.stereotype.Component; |
|  |  |
|  | @Component |
|  | public class Car { |
|  | private String make; |
|  | private int model; |
|  | @Autowired |
|  | private Engine engine; |
|  | private int horsePower; |
|  | public String getMake() { |
|  | return make; |
|  | } |
|  | public void setMake(String make) { |
|  | this.make = make; |
|  | } |
|  | public int getModel() { |
|  | return model; |
|  | } |
|  | public void setModel(int model) { |
|  | this.model = model; |
|  | } |
|  | public Engine getEngine() { |
|  | return engine; |
|  | } |
|  | public void setEngine(Engine engine) { |
|  | this.engine = engine; |
|  | } |
|  | public int getHorsePower() { |
|  | return horsePower; |
|  | } |
|  | public void setHorsePower(int horsePower) { |
|  | this.horsePower = horsePower; |
|  | } |
|  |  |
|  | } |

|  |
| --- |
| package com.spring.core7; |
|  |  |
|  | import org.springframework.stereotype.Controller; |
|  |  |
|  | @Controller |
|  | public class Engine { |
|  | private int capacity; |
|  | private int horsePower; |
|  | private int numberOfCylinders; |
|  | public int getCapacity() { |
|  | return capacity; |
|  | } |
|  | public void setCapacity(int capacity) { |
|  | this.capacity = capacity; |
|  | } |
|  | public int getHorsePower() { |
|  | return horsePower; |
|  | } |
|  | public void setHorsePower(int horsePower) { |
|  | this.horsePower = horsePower; |
|  | } |
|  | public int getNumberOfCylinders() { |
|  | return numberOfCylinders; |
|  | } |
|  | public void setNumberOfCylinders(int numberOfCylinders) { |
|  | this.numberOfCylinders = numberOfCylinders; |
|  | } |
|  | } |

|  |
| --- |
| package com.spring.core7; |
|  |  |
|  | public class SpELOper { |
|  | private boolean equal; |
|  | private boolean notEqual; |
|  | private boolean greaterThanOrEqual; |
|  | private boolean and; |
|  | private boolean or; |
|  | private String addString; |
|  | public boolean isEqual() { |
|  | return equal; |
|  | } |
|  | public void setEqual(boolean equal) { |
|  | this.equal = equal; |
|  | } |
|  | public boolean isNotEqual() { |
|  | return notEqual; |
|  | } |
|  | public void setNotEqual(boolean notEqual) { |
|  | this.notEqual = notEqual; |
|  | } |
|  | public boolean isGreaterThanOrEqual() { |
|  | return greaterThanOrEqual; |
|  | } |
|  | public void setGreaterThanOrEqual(boolean greaterThanOrEqual) { |
|  | this.greaterThanOrEqual = greaterThanOrEqual; |
|  | } |
|  | public boolean isAnd() { |
|  | return and; |
|  | } |
|  | public void setAnd(boolean and) { |
|  | this.and = and; |
|  | } |
|  | public boolean isOr() { |
|  | return or; |
|  | } |
|  | public void setOr(boolean or) { |
|  | this.or = or; |
|  | } |
|  | public String getAddString() { |
|  | return addString; |
|  | } |
|  | public void setAddString(String addString) { |
|  | this.addString = addString; |
|  | } |
|  | } |

|  |
| --- |
| package com.spring.core7; |
|  |  |
|  | 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("q7.xml"); |
|  | @SuppressWarnings("unused") |
|  | SpELOper spelOperators = (SpELOper) context.getBean("SpELOper"); |
|  | @SuppressWarnings("unused") |
|  | Car car =(Car)context.getBean("someCar"); |
|  | @SuppressWarnings("unused") |
|  | Engine engine= (Engine)context.getBean("engine"); |
|  | } |
|  | } |

|  |
| --- |
| <?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-4.0.xsd"> |
|  |  |
|  | <bean id="engine" class=" com.spring.core7.Engine"> |
|  | <property name="capacity" value="3200"/> |
|  | <property name="horsePower" value="250"/> |
|  | <property name="numberOfCylinders" value="6"/> |
|  | </bean> |
|  | <bean id="someCar" class="com.spring.core7.Car"> |
|  | <property name="make" value="Some make"/> |
|  | <property name="model" value="Some model"/> |
|  | <property name="engine" value="#{engine}"/> |
|  | <property name="horsePower" value="#{engine.horsePower}"/> |
|  | </bean> |
|  | <bean id="SpELOper" class=" com.spring.core7.SpELOper"> |
|  | <property name="equal" value="#{1 == 1}"/> |
|  | <property name="notEqual" value="#{1 lt 1}"/> |
|  | <property name="greaterThanOrEqual" value="#{someCar.engine.numberOfCylinders >= 6}"/> |
|  | <property name="and" value="#{someCar.horsePower == 250 and someCar.engine.capacity lt 4000}"/> |
|  | <property name="or" value="#{someCar.horsePower > 300 or someCar.engine.capacity > 3000}"/> |
|  | <property name="addString" value="#{someCar.model + ' manufactured by ' + someCar.make}"/> |
|  | </bean> |
|  |  |
|  |  |
|  | </beans> |

q-8

package org.spring.core8;

import javax.annotation.PostConstruct;

import javax.annotation.PreDestroy;

public class Employee{

private String name;

private int id;

private int saraly;

public String getName() {

return name;

}

public void setName(String name) {

this.name = name;

}

public int getId() {

return id;

}

public void setId (int id) {

this.id = id;

}

public int getSalary () {

return salary;

}

public void setSalary (int salary) {

this. salary = salary;

}

public void studentData() {

System.out.println("Name: "+name+"\Id : "+id +"\nSalary: "+salary);

}

public void myInIt() {

System.out.println("Initializing bean using init method");

}

public void myDestroy() {

System.out.println("Initializing bean using destroy method");

}

@PostConstruct

public void intializingBean() {

System.out.println("Initializing bean using PostConstruct");

}

@PreDestroy

public void destroyingbean() {

System.out.println("Destroying bean using PreDestroy");

}

}

Test8 class:

package org.spring.core8;

import org.springframework.context.support.AbstractApplicationContext;

import org.springframework.context.support.ClassPathXmlApplicationContext;

public class Test8 {

public static void main(String[] args) {

AbstractApplicationContext context = new ClassPathXmlApplicationContext("spring8.xml");

context.registerShutdownHook();

Employee employee = (Employee) context.getBean("employee ");

employee. employee Data();

}

}

Spring8.xml:

<?xml version="1.0" encoding="UTF-8"?>

<!DOCTYPE beans PUBLIC "-//SPRING//DTD BEAN 2.0//EN" "http://www.springframework.org/dtd/spring-beans-2.0.dtd">

<beans>

<bean id ="student" class="org.spring.core8. Employee " init-method="myInIt" destroy-method="myDestroy" >

<property name = "name" value="Nishanth "/>

<property name="id " value="123"/>

<property name="salary " value="35000"/>

</bean>

<bean class="org.springframework.context.annotation.CommonAnnotationBeanPostProcessor">

</bean>

</beans>

q-9

package org.spring.core9;

public class Sample1 {

private String hello;

public String getHello() {

return hello;

}

public void setHello(String hello) {

this.hello = hello;

}

public void printlog() {

System.out.println(hello);

System.out.println("This is ram");

}

public void init() {

System.out.println("Initialized the bean");

}

public void destroy() {

System.out.println("Destroyed the bean");

}

}

Test9 Class:

package org.spring.core9;

import org.springframework.context.support.AbstractApplicationContext;

import org.springframework.context.support.ClassPathXmlApplicationContext;

public class Test9 {

public static void main(String[] args) {

AbstractApplicationContext context = new ClassPathXmlApplicationContext("spring9.xml");

context.registerShutdownHook();

Sample1 sample1 = (Sample1) context.getBean("sample");

sample1.printlog();

}

}

spring9.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" xmlns:context="http://www.springframework.org/schema/context"

xsi:schemaLocation="

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

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

<bean id = "sample" class=" org.spring.core9.Sample1" init-method="init" destroy-method="destroy">

<property name="hello" value="Hello World!!"/>

</bean>

</beans>

q-10

public class Company implements ApplicationContextAware{

String companyName ;

ApplicationContext applicationContext;

Model model;

public String getCompanyName() {

return companyName;

}

public void setCompanyName(String companyName) {

this. companyName = companyName;

}

public void setApplicationContext(ApplicationContext applicationContext) throws BeansException {

this.applicationContext=applicationContext;

}

public String getModelName(String modelBeanName)

{

model=(Model) applicationContext.getBean(modelBeanName);

String modelName=capital.getModelName();

return modelName;

}

}

Package org.spring.mvc10;

public class Model {

String modelName;

public String getmodelName() {

return modelName;

}

public void setModelName(String modelName) {

this. modelName = modelName;

}

}

Package com.spring.core10;

import org.springframework.context.ApplicationContext;

import org.springframework.context.support.ClassPathXmlApplicationContext;

/\*\*

\* Hello world!

\*

\*/

public class Application

{

public static void main( String[] args )

{

@SuppressWarnings("resource")

ApplicationContext context = new ClassPathXmlApplicationContext("spring10.xml");

Company company Obj = (Company) context.getBean("company");

System.out.println("Company name:"+company Obj.getcompany Name()+" Model Name:"+company Obj.getModelName("model"));

}

}

<?xml version="1.0" encoding="UTF-8"?>

<beans xmlns="http://www.springframework.org/schema/beans"

xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xmlns:p="http://www.springframework.org/schema/p"

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

http://www.springframework.org/schema/beans/spring-beans-4.0.xsd" >

<bean id="country" class="org.spring.core10.Company">

<property name="companyName" value="Honda "></property>

</bean>

<bean id="capital" class=" org.spring.core10.Model">

<property name="modelName" value="v3 "></property>

</bean>

</beans>