

```
package Assignment;  
import java.util.*;
```

```
public class Question {  
  
    private int questionId;  
    private String question;  
    private List<String> AnswerList;  
    private Set<String> AnswerSet;  
    private Map<Integer,String> AnswerMap;  
  
    public int getQuestionId() {  
        return questionId;  
    }  
    public void setQuestionId(int questionId) {  
        this.questionId = questionId;  
    }  
    public String getQuestion() {  
        return question;  
    }  
    public void setQuestion(String question) {  
        this.question = question;  
    }  
    public List<String> getAnswerList() {  
        return AnswerList;  
    }  
    public void setAnswerList(List<String> answerList) {  
        AnswerList = answerList;  
    }  
    public Set<String> getAnswerSet() {  
        return AnswerSet;  
    }  
    public void setAnswerSet(Set<String> answerSet) {  
        AnswerSet = answerSet;  
    }  
    public Map<Integer, String> getAnswerMap() {  
        return AnswerMap;  
    }  
    public void setAnswerMap(Map<Integer, String> answerMap) {  
        AnswerMap = answerMap;  
    }  
    public Question(int questionId, String question, List<String> answerList, Set<String> answerSet,  
        Map<Integer, String> answerMap) {  
        super();  
        this.questionId = questionId;  
        this.question = question;  
        AnswerList = answerList;  
        AnswerSet = answerSet;  
        AnswerMap = answerMap;  
    }  
  
    public Question() {  
        super();  
    }  
}
```

```

public void displayList() {
    System.out.println(questionId+" "+question);
    System.out.println("Answers are:"+AnswerList);

}

public void displaySet() {
    System.out.println(questionId+" "+question);
    System.out.println("Answers are:" +AnswerSet );

}

public void displayMap() {
    System.out.println(questionId+" "+question);
    System.out.println("Answers are:" +AnswerMap );

}

}
}

```

```

<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 https://maven.apache.org/xsd/maven-4.0.0.xsd">
    <modelVersion>4.0.0</modelVersion>
    <groupId>com.Assignment</groupId>
    <artifactId>Question</artifactId>
    <version>0.0.1-SNAPSHOT</version>
    <dependencies>

        <dependency>
            <groupId>org.springframework</groupId>
            <artifactId>spring-core</artifactId>
            <version>5.2.18.RELEASE</version>
        </dependency>

        <dependency>
            <groupId>org.springframework</groupId>
            <artifactId>spring-context</artifactId>
            <version>5.2.18.RELEASE</version>
        </dependency>

    </dependencies>

</project>

```

```

<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-3.0.xsd">

<bean id= "que" class="Assignment.Question">
  <property name="questionId" value="1" />
  <property name="question" value="What is java ?" />

  <property name="AnswerList">
    <list>
      <value>"java is an programming language"</value>
      <value>"java is an Object oriented programming language"</value>
      <value>"java is an platform"</value>
    </list>
  </property>

  <property name="AnswerSet">
    <set>
      <value>"java is an platform"</valu...

```

```

package Assignment;

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

public class Main {

    public static void main(String[] args) {

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

        Question obj = (Question) context.getBean("que");
        obj.displayList();
        //obj.displaySet();
        //obj.displayMap();
    }

}

```

```

package Assignment;

import static org.junit.Assert.assertArrayEquals;
import static org.junit.jupiter.api.Assertions.*;

import java.lang.reflect.Array;
import java.util.ArrayList;
import java.util.List;

```

```
import javax.print.attribute.standard.MediaSize.NA;
```

```
import org.junit.jupiter.api.Test;
```

```
class QuestionTest {
```

```
    String[] a= {"java is an programming language" ,"java is an Object oriented programming language","java is an platform" };
```

```
    @Test
```

```
    void testQuestion() {
```

```
        Question q=new Question();
```

```
        String Expected =a[0];
```

```
        List<String>Actual= q.getAnswerList();
```

```
        assertEquals(Expected, Actual);
```

```
    }
```

```
}
```