		Spring xml configuration file, how would you define a bean definition for the class EmployeeServiceImpl where it multiple alias's  i.e. names
(	)	<bean class="EmployeeServiceImpl" id="myID"></bean>
(	)	<bean class="EmployeeServiceImpl" id="myID another, andAnother"></bean>
(	)	 bean class="EmployeeServiceImpl"/>
(		<bean class="EmployeeServiceImpl" id="myID" name="another, andAnother"></bean>
	$\odot$	Correct Correct; alias's include a single id and a space and or comma delineated list of names
		correct, and 3 metade a single id and a space and or comma defined to a finance
		have an EmployeeService bean that has a three argument a constructor of; public EmployeeService(String s, ger i, Boolean b). Using XML how would you configure this bean?
	/	<bean employeeserviceimpl"="" id="emplService class="></bean>
		<constructor-arg name="b' value=" true"=""></constructor-arg>
		<constructor-arg value="hello"></constructor-arg>
		<constructor-arg type="int" value="3"></constructor-arg>
	_	<pre></pre>
	$\odot$	Correct  Correct; resolves by name where true is injected into b, "3" into I by matching type and what's left into s
	/	 <bean employeeserviceimpl"="" id="emplService class="></bean>
		<constructor-arg index="2" value="true"></constructor-arg>
		<constructor-arg index="0" value="hello"></constructor-arg>
		<constructor-arg value="3"></constructor-arg>
	<b>⊘</b>	Correct  Correct; resolves by index true is injected into b, hello into s and what's left i.e. "3" into i
	/	<bean employeeserviceimpl"="" id="emplService class="></bean>
		<constructor-arg name="b' value=" true"=""></constructor-arg>
		<constructor-arg index="0" value="hello"></constructor-arg>
		<constructor-arg value="3"></constructor-arg>
		-/ Death-
	<b>⊘</b>	Correct  Correct; resolves by name where true is injected into b, hello into s and what's left i.e. "3" into i
	/	All the above

1/1 point

1/1 point

3.	What are key advantages of using the Spring framework?	1/1 point
	Promotes decoupling and reusability	
	O Code is coupled to Spring	
	O All of the above	
	Object dependencies are clearly define din the application code itself	
	✓ Correct  Correct; using Inversion of Control, dependencies are declared in configurations not code	
4.	What are we defining here?	1/1 point
	A principal where the control of a program, i.e. delegations from one object to another, are inverted: instead of the programmer controlling the flow in code, external sources (framework, services, configuration resources) take control of it.	
	O Code to the interface	
	Inversion of control	
	O Inheritance	
	O Dependency injection	
	<ul> <li>Correct</li> <li>Correct, configurations for example in Spring identify the rules of engagement when it comes to delegation patterns i.e. which object delegates to which object</li> </ul>	
5.	What are we defining here?	1/1 point
	A design pattern where class X is dependent on Y. So rather than creating object of Y within the class "X", we can inject the dependencies via a constructor or setter injection.	
	Dependency injection	
	O Inheritance	
	O Inversion of control	
	O Code to the interface	
	✓ Correct  Correct; this is a design pattern where the actual injection of a dependency into an object is controlled by Inversion of Control	
6.	What types of dependency injection are there in XML configurations	1/1 point
	☐ Method injection	
	✓ Setter	
	<ul> <li>✓ Correct</li> <li>Correct; Setter injection uses the <property> tag</property></li> </ul>	
	Constructor	
	✓ Correct  Correct; Constructor injection involves complex XML resolution techniques on <constructor-arg> tags</constructor-arg>	
	☐ Field	

7.	7. ApplicationContext implementations have what type of built in class type to read metadata			
	○ InputStreamReader			
	○ FileReader			
	Resource			
	○ JSON Parser			
	<ul> <li>✓ Correct</li> <li>Correct, built in Resource implementations can read and parse XML for the ApplicationContext to create</li> <li>BeanDefinition objects</li> </ul>			
8.	In an XML configuration file, what bean tag attribute do you use to you ensure that the bean definition creates different managed bean instances per request	1/1 point		
	O scope=singleton			
	O scope=request			
	scope=prototype			
	it's the default there is no need to add an attribute			
	<ul> <li>✓ Correct</li> <li>Correct; prototype bean use the Prototype pattern to lazy instantiate bean instances on each request</li> </ul>			
9.	Constructor argument Resolution in an XML file can be achieved by, pick all that apply	1/1 point		
٥.		1/1 point		
	✓ Order within type			
	○ Correct     Correct     Correct in XML everything is a string or a bean ref type, Order by default aligns with constructor args within type in the XML file			
	✓ Constructor name			
	✓ Type			
	Correct Correct, e.g. type="int"			
	✓ Index			
	<ul> <li>✓ Correct</li> <li>Correct e.g. index="0</li> </ul>			
10.	XML configuration file tags and grammar is controlled by; pick all that apply	1/1 point		
	Java jars	-1-1-0-1110		
	✓ Namespaces			
	Numespaces			
	✓ Correct  Correct; tags belong to XML namespaces			
	✓ Schemas			
	✓ Correct  Correct; the grammar or what attributes belong in which tag, or if a tag can be nested inside another tag are controlled by schemas for each namespace			
	☐ Java code			