	Using Annotations, how could you annotate a JPA EntityManager of a Spring managed bean to provide Transactionally based interactions with a database? ② @PersistenceUnit ③ @Inject ③ @Value("#{entityManager}") ③ @PersistenceContext ② Correct Correct; This injects an EntityManager	1/1 point
2.	How would you provide an implementation of the Spring data JpaRepository to? inject into your Spring managed beans? Pick all that apply. Provide the maven dependency for spring-boot-starter-data-jpa in your pom	1/1 point
	Correct; In a Spring Boot application, proxying of a Repository is achieved by simply added the maven dependency Create a class that extends JpaRespository and provide implementations of its methods Provide a class that extends EntityManager an inherit its methods Create an interface that extends JpaRepository	
3.	Correct Correct; Providing the interface will enable auto proxying to implement the interface How do you Annotate a Repository to be a Restful service itself where json collections is wrapped in the element	1/1 point
	<pre>"course" and its url is "/courses? @RestController @RepositoryRestResource(collectionResourceRel = "course", path = "courses") @RepositoryRestResource(collectionResourceRel = "course") @RepositoryRestResource</pre>	
ı.	Correct; the attribute collectionResourceRel provides the element for wrapping json collections and the path attribute identifies the url How would you define a query method in a JpaRepository <student, long=""> to get all students by their firstName and</student,>	1/1 point
	lastName by equality and return a Collection of Students Collection <student> getByFirstNameAndlastName(String s1, String s2); Collection<student> findByFirstNameEqualAndlastNameEqual(String s1, String s2); Collection<student> findByFirstNameAndlastName(String s1, String s2); Collection<student> findByFirstAndLast(String s1, String s2);</student></student></student></student>	
	Correct Correct; the proxying mechanism for Repositories uses the findBy to generate a criteria Query based of the Repository entity. In this case it looks for the firstName and lastName properties of Student to create the query	

Correct; JPQL arguments can be named and cross referenced with method arguments annotated with

Correct

@Param(JPQL parameter name)

7.	What annotation defines a class as a subset of a JPA Entity Resource when exposing a JpaRepository through REST @Controller @Projection @Entity @Component Correct True, this annotation provides a name attribute and the entities that it provides a subset of properties to	1/1 point
8.	What JPA annotation defines Cardinality between two entities of one entity containing a Collection of another Entity @ManyToOne @ManyToMany @OneToOne @OneToMany Correct True this is the one to many relationship defined	1/1 point
9.	What's true about a "Hypermedia As The Engine Of Application State" (HATEOAS) Select all that apply ✓ Embedded links in response json represent further actions that can be taken by the client ✓ Correct True Urls represent actions in the response A consumer of HATEOS responses must hard code all action urls themselves ✓ Allows you to not only send the data but also specify the related actions ✓ Correct True, this is the basis of HATEOS, action urls are provided in the response so the client does not have to code them themselves □ It is another name for HTTP	1/1 point
10.	What does the configuration property spring.jpa.properties.hibernate.enable_lazy_load_no_trans=true do Commits transactions to the database and therefore state of the PersistenceContext Flushes entities to the database Allows fetching of lazy entities through Hibernate by opening a temporary session Hibernate Fetches all JPA Entities eagerly by default Correct True One to Many relationships in JPA fetch Collections (the many end) lazily, to avoid unnecessary trips to the database, this needs a session opened to connect to the database which is normally closed after a parent entity is retrieved in a one to many relationship.	1/1 point