Spring Professional Exam Tutorial v5.0

Question 44

Question 44 - When do you want use @DataJpaTest for? What does it auto-configure?

You want to use `@DataJpaTest` annotation whenever writing an Integration Test for JPA related components of your application like `Entities` or `Repositories`.

`@DataJpaTest` annotation configures:

- In-memory embedded database – behavior can be disabled with `@AutoConfigureTestDatabase(replace = Replace.NONE)`
- Scans and configures `@Entity` beans
- Scans and configures Spring Data Repositories
- Configures `TestEntityManager`
- Does not load other components like `@Component, @Service, @Controller` etc.

Every `@DataJpaTest` is transactional by default, after each test transaction is rolled back. You can use `@Transactional` annotation to customize this behavior.

When using `@DataJpaTest` you can access `TestEntityManager`, which contains subset of `EntityManager` methods that are useful for testing.