

# Spring Professional Exam Tutorial v5.0

## Question 25

## Question 25 - What is a Repository interface?

Repository interface is a Java interface that describes Dao with expected behaviors, based on which Spring Data will automatically generate Dao logic. Repository interface takes Domain Class and ID of type to manage.

Custom Repository interface needs to extend one of following interface:

- ▶ Repository - basic marker repository
- ▶ CrudRepository - adds generic methods for CRUD operations
- ▶ PagingAndSortingRepository - adds findAll methods for paging/sorting
- ▶ JpaRepository - JPA specific extension of Repository

```
public interface EmployeeDao extends CrudRepository<Employee, Integer> {  
    Employee findByEmail(String email);  
  
    List<Employee> findByLastName(String lastName);  
  
    List<Employee> findBySalaryBetween(float min, float max);  
}
```

← You define expected behaviors

```
@Configuration  
@EnableJpaRepositories(basePackages = {"com.project.dao"})  
public class JpaConfiguration  
...
```

← Framework generates Dao logic automatically based interfaces from package pointed in @EnableJpaRepositories

