

# Testing JPA Repository

Introduction

# What to test?



```
public interface UsersRepository extends CrudRepository<UserEntity, Long> {  
    ...  
}
```



```
public interface UsersRepository extends PagingAndSortingRepository<UserEntity,  
Long> {  
    UserEntity findByEmail(String email);  
    UserEntity findById(String userId);  
}
```



} Query Methods

## **CrudRepository**

```
save(S entity);  
  
saveAll(Iterable<S> entities);  
  
delete(T entity);
```

## **PagingAndSortingRepository** extends **CrudRepository**

```
Iterable<T> findAll(Sort sort);  
  
Page<T> findAll(Pageable pageable);
```

```
public interface UsersRepository extends PagingAndSortingRepository<UserEntity,  
Long> {  
    UserEntity findByEmail(String email);  
    UserEntity findById(String userId);  
 UserEntity findByUserIdAndEmail(String userId, String email)  
 UserEntity findByFirstNameOrLastName(String firstName, String lastName);  
    UserEntity findByEmailEndsWith(String email);  
  
}
```

```
@Repository
public interface UsersRepository extends PagingAndSortingRepository<UserEntity, Long> {

    UserEntity findByEmailEndsWith(String email);
    UserEntity findById(String userId);
```

JPQL Query



```
    @Query("select user from UserEntity user where user.email like %:emailDomain")
    List<UserEntity> findUsersWithEmailEndingWith(@Param("emailDomain") String emailDomain);
```

```
}
```