

Repository layer testing using Junit

- Step 1 make sure application is ready with all functionalities copied 4.1 demo
- Step 2 make sure spring boot test dependency added in pom

Step 3 Create a test file under test package and inject dependency

```
Step 4 setup() / clean()

@BeforeEach

@AfterEach
```

make sure required objects are created with proper data before each test case

```
9 usages

private Customer customer;
3 usages

private Address address;

@BeforeEach

public void setup(){
   address = new Address( doorNo: "123", street: "s1", area: "area1", city: "city1");
   customer = new Customer( customerld: "C1", name: "krishna", email: "nomail.com", mobile: "1234",address);
}
```

make sure objects are getting null after each test case

```
34     @AfterEach
35     public void clean(){
36         address=null;
37         customer=null;
38         customerRepository.deleteAll();
39         }
```

test addrecord

customerRepo.insert(customer)

Step 5 Write test case methods

```
50
           @Test
51 0
           public void givenCustomerDetailsToSaveReturnCustomer(){
52
               customerRepository.insert(customer);
               Customer result=customerRepository.findById(customer.getCustomerId()).get();
53
54
               System.out.println((result.equals(customer)));
55
               assertEquals(result, customer);
               //assertEquals(result.getName(), customer.getName());
56
57
           }
59
           @Test
60 0
           public void givenCustomerToDelete(){
               customerRepository.insert(customer);
61
               customerRepository.deleteById(customer.getCustomerId());
62
63
               assertEquals( expected: Optional.empty(), customerRepository.findById(customer.getCustomerId()));
64
           }
```