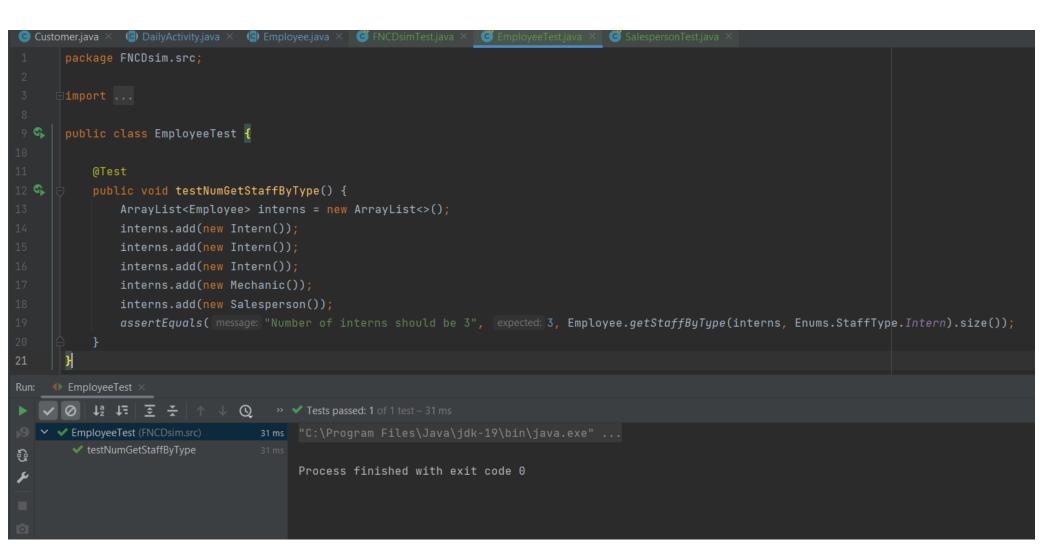
## Junit test screenshots actual tests are in the test folder

```
public class FNCDsimTest {
      public void checkLoggerAndTracker() {
          FNCDsim newSim = new FNCDsim();
          assertNotEquals( message: "Verify a broker object is made", unexpected: null, FNCDsim.broker);
          assertNotEquals( message: "Verify tracker singleton created", unexpected: null, Tracker.getTracker());
          assertNotEquals( message: "Verify logger singleton created", unexpected: null, Logger.getLogger());
      public void checkMakingStaffAndVehicles (){
          assertEquals( message: "Verify num pickup objects", OpenShop.setCarNum, Vehicle.getVehiclesByType(FNCDsim.inventory(), Enums.VehicleType.Pickup).size());
          assertEquals( message: "Verify num car objects", OpenShop.setCarNum, Vehicle.getVehiclesByType(FNCDsim.inventory(), Enums.VehicleType.Car).size());
          assertEquals( message: "Verify num perfCar objects", OpenShop.setCarNum, Vehicle.getVehiclesByType(FNCDsim.inventory(), Enums.VehicleType.PerfCar).size());
          assertEquals( message: "Verify num Motorcycle objects", OpenShop.setCarNum, Vehicle.getVehiclesByType(FNCDsim.inventory(), Enums.VehicleType.Motorcycle).size())
          assertEquals( message: "Verify num Monster objects", OpenShop.setCarNum, Vehicle.getVehiclesByType(FNCDsim.inventory(), Enums.VehicleType.Monster).size());
          assertEquals( message: "Verify num Sedan objects", OpenShop.setCarNum, Vehicle.getVehiclesByType(FNCDsim.inventory(), Enums.VehicleType.Sedan).size());
✓ Ø †² †² Ξ ੜ ↑ ↑
                               88 ms Buying: New Convertible added to inventory: Used Clean Mazda MX-5 Miata for $29176.8 cost.
                                    Buying: New Convertible added to inventory: Used Dirty Rolls-Royce Dawn for $17473.6 cost.
                                    Buying: New Convertible added to inventory: Broken Clean Mercedes-Benz S-Class Cabriolet for $23315.5 cost.
                                    Buying: New Convertible added to inventory: LikeNew Dirty Chevrolet Camaro Convertible0 for $39122.0 cost.
                                    Process finished with exit code 0
```

```
public void promoteIntern() {
         FNCDsim sim = new FNCDsim();
         sim.run( runTime: 1);
         Employee intern = Employee.getStaffByType(FNCDsim.currentStaff(), Enums.StaffType.Intern).get(0);
         assertEquals( message: "Returning intern type", Enums.StaffType.Intern, intern.getType());
         Intern intern1=(Intern) intern;
         assertEquals( message: "Promte to sales check ", Enums.StaffType.Salesperson, intern1.promoteIntern(Enums.StaffType.Salesperson).getType());
         assertEquals( message: "Promte to sales check ", Enums.StaffType.Mechanic, intern1.promoteIntern(Enums.StaffType.Mechanic).getType());
 ✓ InternTest (FNCDsim.src)
                                 Fixing: Mechanic Enzo U. fixed the Bandit and made it like LikeNew(earned a $300.0 bonus)
  ✓ promoteIntern
                                 Fixing: Car cleanliness for the Bandit was downgraded to Dirty
                                  Fixing cars at FNCD_South...
                                  Fixing: Mechanic Teagan T. fixed the Atlas2 and made it like LikeNew(earned a $450.0 bonus)
                                  Fixing: Car cleanliness for the Atlas2 was downgraded to Dirty
                                  Fixing: Mechanic Luka T. fixed the Commando0 and made it like Used(earned a $300.0 bonus)
                                  Fixing: Mechanic Kienan I. fixed the Elantra and made it like Used(earned a $450.0 bonus)
```



```
public class SalespersonTest {
       @Test(expected = IllegalArgumentException.class)
       public void testExceptionNullCustomer()
          Salesperson salesperson = new Salesperson();
          ArrayList<Vehicle> cars = new ArrayList<>();
           cars.add(new Pickup());
          salesperson.sellCar( customer: null, cars);
       @Test(expected = IllegalArgumentException.class)
       public void testExceptionNullCars()
           Salesperson salesperson = new Salesperson();
          salesperson.sellCar(new Customer(), inventory: null);

✓ SalespersonTest (FNCDsim.src)

    testExceptionNullCars
                              <sup>2 ms</sup> Process finished with exit code 0
```