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□ □ B Outline ×
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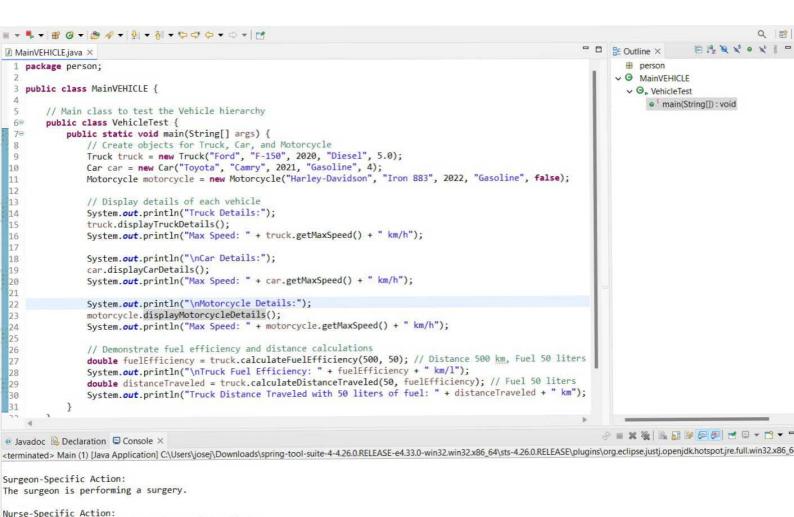
☑ Doctor.java ☑ Main.java ×
     1 package person;
                                                                                                                                                                                                                                                                                                ⊕ person
                                                                                                                                                                                                                                                                                            V G Main
      3 public class Main {
                                                                                                                                                                                                                                                                                                     s main(String[]): void
                   // Main class to test the classes and method overriding
                             public static void main(String[] args) {
                                       // Creating objects of Doctor, Surgeon, and Nurse
                                       Doctor doctor = new Doctor();
      8
                                       Surgeon surgeon = new Surgeon();
      9
                                       Nurse nurse = new Nurse();
    10
                                       // Calling work method for each object to demonstrate method overriding
System.out.println("Doctor's Work:");
                                       doctor.work(); // Calls work() method from Doctor class
    14
                                        System.out.println("\nSurgeon's Work:");
    16
                                        surgeon.work(); // Calls overridden work() method from Surgeon class
    18
                                       System.out.println("\nNurse's Work:");
    19
20
21
22
23
24
25
                                       nurse.work(); // Calls overridden work() method from Nurse class
                                       // Specific actions for Surgeon and Nurse
System.out.println("\nSurgeon-Specific Action:");
                                        surgeon.performSurgery(); // Surgeon-specific method
                                       System.out.println("\nNurse-Specific Action:");
     26
                                        nurse.administerInjection(); // Nurse-specific method
                             }
    28
                     }
    29
   @ Javadoc № Declaration ☐ Console ×
                                                                                                                                                                                                                                                                                   < terminated > Main (1) \ [Java Application] \ C: \ Vars \ [] \ Overloads \ Spring-tool-suite-4-4.26.0. \ RELEASE-e4.33.0-win 32.x86\_64 \ Sts-4.26.0. \ RELEASE \ [] \ Properties \ Prope
  Doctor's Work:
  The doctor diagnoses and treats patients.
  Surgeon's Work:
  The surgeon performs surgeries on patients.
  Nurse's Work:
   The nurse takes care of nationts and assists doctors
```

```
Window Help
Q 18

☑ Person.java  
☑ *main.java ×
                                                                                                                           Outline ×
                                                                                                                                                 □ 1g × × 0 × 0 = 1
  1 package person;

⊕ person

                                                                                                                                 ∨ P<sub>▶</sub> main
   3 public class main {
                                                                                                                                     5 main(String[]): void
4
59
6
7
8
9
10
11
         // Main class to test the interface and classes
              public static void main(String[] args) {
                  // Creating an object of Student
                   Person student = new Student();
                  student.speak(); // Calling the speak method of Student
                   // Creating an object of Teacher
                  Person teacher = new Teacher();
teacher.speak(); // Calling the speak method of Teacher
          }
  15
                                                                                                                              8 - X - - -
 @ Javadoc 
☐ Declaration ☐ Console ×
 <terminated> main [Java Application] C:\Users\josej\Downloads\spring-tool-suite-4-4.26.0.RELEASE-e4.33.0-win32.x86_64\sts-4.26.0.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_21.
 I am a student. I am here to learn!
I am a teacher. I am here to teach!
```



The nurse administers an injection to the patient.