```
Employee.java × 🗟 HourlyEmployee.java × 💰 CommissionEmployee.java × 👸 BasePlusCommissionEmployee.java × 🚳 SalariedEmployee.java × 🥡 PayrollSystemTest.java ×
"Bob", "Lewis", "444-44-4444", 5000, .04, 300);
27
28
      // add a new employee to the array
29
30
          CommissionEmployee newEmployee =
31
                new CommissionEmployee("Reetz", "Limonta", "555-55-5555", 5000, .05);
 32
          Employee[] employees = {salariedEmployee, hourlyEmployee, commissionEmployee,
33
                                 basePlusCommissionEmployee, newEmployee};
34
35
          System.out.println("Employees processed individually:");
36
37
          System.out.printf("%n%s%n%s: $%,.2f%n%n",
38
                 salariedEmployee, "earned", salariedEmployee.earnings());
39
          System.out.printf("%s%n%s: $%,.2f%n%n",
 40
                 hourlyEmployee, "earned", hourlyEmployee.earnings());
          System.out.printf("%s%n%s: $%,.2f%n%n",
 42
                 commissionEmployee, "earned", commissionEmployee.earnings());
43
          System.out.printf("%s%n%s: $%,.2f%n%n",
44
                 basePlusCommissionEmployee,
45
                  "earned", basePlusCommissionEmployee.earnings());
          System.out.printf("%s%n%s: $%,.2f%n%n",
46
47
                  newEmployee, "earned", newEmployee.earnings());
 48
49
          System.out.println("Employees whose earnings are $600 or less:");
50
          for (Employee employee : employees) {
51
              if (employee.earnings() <= 600.0) {</pre>
52
                  System.out.println(employee);
53
54
 0
56
```

https://github.com/ReetzL/PayRollSystem

```
Shape_java X 🔯 TwoDimensionalShape_java X 🔯 ThreeDimensionalShape_java X 🔯 ThreeDimensionalShape_java X 🔯 Code_java X 🔯 Spere_java X 🔯 Code_java X 🔯 Code_java X 🕏
 * To change this license header, choose License Headers in Project Properties.
* To change this template file, choose Tools | Templates
     ^{\ast} and open the template in the editor. ^{\ast}/
     package com.mycompany.shapehierarchy;
 7 8 🗗 /**
 10
        * @author behlt
 12
       public class TestShapes {
 13 | public static void main(String[] args) {
14 | Shape[] shapes = new Shape[4];
           shapes[0] = new Circle(3.0);
shapes[1] = new Square(4.0);
 16
           shapes[2] = new Sphere(2.0);
shapes[3] = new Cube(2.5);
 17
18
 19
            for (Shape shape : shapes) {
                System.out.println(shape);
 21
 №
23
                if (shape instanceof TwoDimensionalShape) {
                     System.out.printf("Area: %.2f%n", ((TwoDimensionalShape) shape).getArea());
 25
26
27
                 } else if (shape instanceof ThreeDimensionalShape) {
                    System.out.printf("Surface area: %.2f%n", ((ThreeDimensionalShape) shape).getArea());
                     System.out.printf("Volume: %.2f%n", ((ThreeDimensionalShape) shape).getVolume());
 28
                 System.out.println();
 29
 30
31
 32
 33
 34
Output ×
PayRollSystem - D:\Wetbeans\PayRollSystem × Run (ShapeHierarchy) ×
     Circle with radius 3.00
     Area: 28.27
Q.
     Square with side 4.00
Area: 16.00
      Sphere with radius 2.00
     Surface area: 50.27
Volume: 33.51
      Cube with side 2.50
      Surface area: 37.50
```

https://github.com/ReetzL/RL ShapeHierarchy.git