

Folder src

4 printable files

(file list disabled)

src\Employee.java

```
1 public abstract class Employee {
2     protected String name;
3     protected String taxCode;
4     public Employee(String name, String taxCode) {
5         this.name = name;
6         this.taxCode = taxCode;
7     }
8     public Employee() {
9
10    }
11    public String getName() {
12        return name;
13    }
14    public String getTaxCode() {
15        return taxCode;
16    }
17    public void setName(String name) {
18        this.name = name;
19    }
20    public void setTaxCode(String taxCode) {
21        this.taxCode = taxCode;
22    }
23    public abstract int payment();
24    @Override
25    public String toString() {
26        return name + " has Tax Code " + taxCode;
27    }
28 }
29
```

src\HourlyEmployee.java

```
1 public class HourlyEmployee extends Employee {
2     private int hourlyPayment;
3     private int hoursWorked;
4     public HourlyEmployee(){
5         super();
6         this.hourlyPayment = 0;
7         this.hoursWorked = 0;
8     }
9     public HourlyEmployee(String name, String taxCode, int hourlyPayment, int hoursWorked){
10         super(name, taxCode);
11         this.hourlyPayment = hourlyPayment;
12         this.hoursWorked = hoursWorked;
13     }
14     public int getHourlyPayment() {
```



```
15     return hourlyPayment;
16 }
17 public int getHoursWorked() {
18     return hoursWorked;
19 }
20 public void setHourlyPayment(int hourlyPayment) {
21     this.hourlyPayment = hourlyPayment;
22 }
23 public void setHoursWorked(int hoursWorked) {
24     this.hoursWorked = hoursWorked;
25 }
26 @Override
27 public int payment(){
28     return hourlyPayment * hoursWorked;
29 }
30 @Override
31 public String toString() {
32     return super.toString() + " payment " + payment();
33 }
34 }
35
```

src\Main.java

```
1 import java.util.ArrayList;
2 import java.util.List;
3 public class Main {
4     public static void main(String[] args) {
5         List<Employee> employees = new ArrayList<>();
6         employees.add(new SalariedEmployee("Achilleas", "1234456789", 2000));
7         employees.add(new HourlyEmployee("Nikos", "987654321", 14,160));
8         for (Employee employee : employees) {
9             System.out.println(employee);
10        }
11    }
12 }
```

src\SalariedEmployee.java

```
1 public class SalariedEmployee extends Employee {
2     private int salary;
3     public SalariedEmployee() {
4         super();
5         this.salary = 0;
6     }
7     public SalariedEmployee(String name, String taxCode, int salary) {
8         super(name, taxCode);
9         this.salary = salary;
10    }
11    public int getSalary() {
12        return salary;
13    }
14    public void setSalary(int salary) {
15        this.salary = salary;
16    }
17 }
```



```
17     @Override
18     public int payment(){
19         return salary;
20     }
21     @Override
22     public String toString() {
23         return super.toString() + " payment " + payment();
24     }
25 }
26
```

