

Selected files

6 printable files

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CS5800_HW1\CS5800_Q1\src\com\cpp\cs5800q1\CS5800_Q1.java

```
1 package com.cpp.cs5800q1;
2
3
4 public class CS5800_Q1 {
5
6     public static void main(String[] args) {
7
8         SalariedEmployee employeeJonas = new SalariedEmployee("Joe", "Jonas", "111-11-1111", 2500);
9
10        HourlyEmployee employeeSmith = new HourlyEmployee("Stephanie", "Smith", "222-22-2222", 25, 32);
11
12        HourlyEmployee employeeQuinn = new HourlyEmployee("Mary", "Quinn", "333-33-3333", 19, 47);
13
14        CommisionEmployee employeeDior = new CommisionEmployee("Nicole", "Dior", "444-44-4444", 15, 50000);
15
16        SalariedEmployee employeeChanel = new SalariedEmployee("Renwa", "Chanel", "555-55-5555", 1700);
17
18        BaseEmployee employeeDavenport = new BaseEmployee("Mike", "Davenport", "666-66-6666", 95000);
19
20        CommisionEmployee employeeVaziri = new CommisionEmployee("Mahnaz", "Vaziri", "777-77-7777", 22, 40000);
21
22        Employee[] employees = {employeeJonas, employeeSmith, employeeQuinn, employeeDior, employeeChanel, employeeDavenport,
23        employeeVaziri};
24
25        for (Employee emp : employees) {
26            System.out.println(emp);
27        }
28    }
29 }
```

```
26         }
27
28
29     }
30
31 }
32
```

CS5800_HW1\CS5800_Q1\src\com\cpp\cs5800q1\Employee.java

```
1  package com.cpp.cs5800q1;
2
3  public abstract class Employee {
4
5      private String firstName;
6      private String lastName;
7      private String SSN;
8
9
10     public Employee(String firstName, String lastName, String sSN2)
11     {
12         this.firstName = firstName;
13         this.lastName = lastName;
14         this.SSN = sSN2;
15     }
16
17     public String getFirstName() {
18         return firstName;
19     }
20
21     public void setFirstName(String firstName)
22     {
23         this.firstName = firstName;
24     }
25
26     public String getLastName() {
27         return lastName;
28     }
29
```

```
30     public void setLastName(String lastName)
31     {
32         this.lastName = lastName;
33     }
34
35     public String getSSN() {
36         return SSN;
37     }
38
39     public void setSSN(String SSN) {
40         this.SSN = SSN;
41     }
42
43     @Override
44     public String toString() {
45         return "|" + "First Name: " + firstName + " | " + "Last Name: " + lastName + " | " + "SSN: " + SSN + " ";
46     }
47
48 }
49
```

CS5800_HW1\CS5800_Q1\src\com\cpp\cs5800q1\BaseEmployee.java

```
1 package com.cpp.cs5800q1;
2
3 public class BaseEmployee extends Employee {
4
5     private int baseSalary;
6
7     public BaseEmployee(String firstName, String lastName, String SSN, int baseSalary) {
8         super(firstName, lastName, SSN);
9         this.baseSalary = baseSalary;
10    }
11
12    public int getBaseSalary() {
13        return baseSalary;
14    }
15
16    public void setBaseSalary(int baseSalary) {
```

```
17         this.baseSalary = baseSalary;
18     }
19
20     @Override
21     public String toString() {
22         return super.toString() + "| " + "Base Salary: $" + String.format("%,d", baseSalary);
23     }
24
25 }
26
27
```

CS5800_HW1\CS5800_Q1\src\com\cpp\cs5800q1\CommisionEmployee.java

```
1 package com.cpp.cs5800q1;
2
3 public class CommisionEmployee extends Employee {
4
5     private int commissionRate;
6     private int grossSalary;
7
8     public CommisionEmployee(String firstName, String lastName, String SSN, int commissionRate, int grossSalary) {
9         super(firstName, lastName, SSN);
10        this.commissionRate = commissionRate;
11        this.grossSalary = grossSalary;
12    }
13
14    public int getCommissionRate() {
15        return commissionRate;
16    }
17
18    public void setCommissionRate(int commissionRate) {
19        this.commissionRate = commissionRate;
20    }
21
22    public int getGrossSalary() {
23        return grossSalary;
24    }
25
```

```
26     public void setGrossSalary(int grossSalary) {
27         this.grossSalary = grossSalary;
28     }
29
30     @Override
31     public String toString() {
32         return super.toString() + "| " + "Commision Rate: " + commissionRate + "%" + " | " + "Gross Salary: $" +
String.format("%,d", grossSalary);
33     }
34
35 }
36
37
```

CS5800_HW1\CS5800_Q1\src\com\cpp\cs5800q1\HourlyEmployee.java

```
1  package com.cpp.cs5800q1;
2
3  public class HourlyEmployee extends Employee {
4
5      private int wage;
6      private int hoursWorked;
7
8      public HourlyEmployee(String firstName, String lastName, String SSN, int wage, int hoursWorked) {
9          super(firstName, lastName, SSN);
10         this.wage = wage;
11         this.hoursWorked = hoursWorked;
12     }
13
14     public int getWage() {
15         return wage;
16     }
17
18     public void setWage(int wage) {
19         this.wage = wage;
20     }
21
22     public int getHoursWorked() {
23         return hoursWorked;
24     }
25 }
```

```
24     }
25
26     public void setHoursWorked(int hoursWorked) {
27         this.hoursWorked = hoursWorked;
28     }
29
30     @Override
31     public String toString() {
32         return super.toString() + "| " + "Wage: $" + wage + " | " + "Hours Worked: " + hoursWorked;
33     }
34
35 }
36
```

CS5800_HW1\CS5800_Q1\src\com\cpp\cs5800q1\SalariedEmployee.java

```
1 package com.cpp.cs5800q1;
2
3 public class SalariedEmployee extends Employee {
4
5     private int weeklySalary;
6
7     public SalariedEmployee(String firstName, String lastName, String SSN, int weeklySalary) {
8         super(firstName, lastName, SSN);
9         this.weeklySalary = weeklySalary;
10    }
11
12    public int getWeeklySalary() {
13        return weeklySalary;
14    }
15
16    public void setWeeklySalary(int weeklySalary) {
17        this.weeklySalary = weeklySalary;
18    }
19
20    @Override
21    public String toString() {
22        return super.toString() + "| " + "Weekly Salary: $" + String.format("%,d", weeklySalary);
23    }
24}
```

24	
25	}
26	
27	