Selected files

6 printable files

CS5800_Q1\src\com\cpp\cs5800q1\BaseEmployee.java
CS5800_Q1\src\com\cpp\cs5800q1\CommisionEmployee.java
CS5800_Q1\src\com\cpp\cs5800q1\CS5800_Q1.java
CS5800_Q1\src\com\cpp\cs5800q1\Employee.java
CS5800_Q1\src\com\cpp\cs5800q1\HourlyEmployee.java
CS5800_Q1\src\com\cpp\cs5800q1\SalariedEmployee.java

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

```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_Q1\src\com\cpp\cs5800q1\CommisionEmployee.java

```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_Q1\src\com\cpp\cs5800q1\CS5800_Q1.java

```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,
    employeeVaziri};
23
24          for (Employee emp : employees) {
25              System.out.println(emp);
26          }
27
28
29      }
30
31  }
32
```

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

```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_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;
```

```java
 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_Q1\src\com\cpp\cs5800q1\SalariedEmployee.java

```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
25   }
26
27
```