Employee Class

```java
public class Employee {
    private int employeeId;
    private String employeeName;
    private double salary;

    public Employee(int employeeId, String employeeName) {
        super();
        this.employeeId = employeeId;
        this.employeeName = employeeName;
    }

    public int getEmployeeId() {
        return employeeId;
    }

    public void setEmployeeId(int employeeId) {
        this.employeeId = employeeId;
    }

    public String getEmployeeName() {
        return employeeName;
    }

    public void setEmployeeName(String employeeName) {
        this.employeeName = employeeName;
    }

    public double getSalary() {
        return salary;
    }

    public void setSalary(double salary) {
        this.salary = salary;
    }

}
```

Contract Employee Class

```java
public class ContractEmployee extends Employee {
    private double wage;
    private float hoursWorked;

    public ContractEmployee(int employeeId, String employeeName, double wage, float hoursWorked) {
        super(employeeId, employeeName);
        this.wage = wage;
        this.hoursWorked = hoursWorked;
    }

    public double getWage() {
        return wage;
    }

    public void setWage(double wage) {
        this.wage = wage;
    }

    public float getHoursWorked() {
        return hoursWorked;
    }

    public void setHoursWorked(float hoursWorked) {
        this.hoursWorked = hoursWorked;
    }

    public void calculateSalary() {
        double sal = hoursWorked * wage;
        setSalary(sal);
    }

}
```

Permanent Employee Class

```java
public class PermanentEmployee extends Employee {
    private double basicPay;
    private double hra;
    private float experience;

    public PermanentEmployee(int employeeId, String employeeName, double basicPay, double hra, float experience) {
        super(employeeId, employeeName);
        this.basicPay = basicPay;
        this.hra = hra;
        this.experience = experience;
    }

    public double getBasicPay() {
        return basicPay;
    }

    public void setBasicPay(double basicPay) {
        this.basicPay = basicPay;
    }

    public double getHra() {
        return hra;
    }

    public void setHra(double hra) {
        this.hra = hra;
    }

    public float getExperience() {
        return experience;
    }

    public void setExperience(float experience) {
        this.experience = experience;
    }

    public void calculateMonthlySalary() {
        int variable = 0;
        if(experience < 3)  variable = 0;
        else if(experience < 5) variable = 5;
        else if(experience < 10)    variable = 7;
        else    variable = 12;

        double sal = basicPay + hra + (basicPay * (variable / 100.0));
        setSalary(Math.round(sal));
    }

}
```

Tester Class

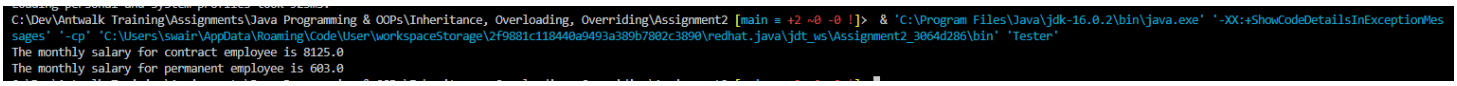
```java
public class Tester {
    Run | Debug
    public static void main(String[] args) {
        ContractEmployee c = new ContractEmployee(employeeId: 101, employeeName: "Peter", wage: 650, hoursWorked: 12.5f);
        PermanentEmployee p = new PermanentEmployee(employeeId: 202, employeeName: "Bruce", basicPay: 540, hra: 25, experience: 7);

        c.calculateSalary();
        p.calculateMonthlySalary();

        System.out.println("The monthly salary for contract employee is " + c.getSalary());

        System.out.println("The monthly salary for permanent employee is " + p.getSalary());
    }
}
```

Output


C:\Dev\Antwalk Training\Assignments\Java Programming & OOPs\Inheritance, Overloading, Overriding\Assignment2 [main ≡ +2 ~0 -0 !]> & 'C:\Program Files\Java\jdk-16.0.2\bin\java.exe' '-XX:+ShowCodeDetailsInExceptionMes
sages' '-cp' 'C:\Users\swair\AppData\Roaming\Code\User\workspaceStorage\2f9881c118440a9493a389b7802c3890\redhat.java\jdt_ws\Assignment2_3064d286\bin' 'Tester'
The monthly salary for contract employee is 8125.0
The monthly salary for permanent employee is 603.0