// Emp.java in the employee package

package employee;

public class Emp {

public String name;

public int empid;

public String category;

public double basicPay;

public double hra;

public double da;

public double npay;

public double pf;

public double grossPay;

public double incomeTax;

public double allowance;

public Emp(String name, int empid, String category, double basicPay, double hra, double da) {

this.name = name;

this.empid = empid;

this.category = category;

this.basicPay = basicPay;

this.hra = hra;

this.da = da;

}

public void calculateNetPay() {

this.npay = this.basicPay + this.hra + this.da;

}

public void calculatePF() {

this.pf = 0.12 \* this.basicPay;

}

public void calculateGrossPay() {

this.grossPay = this.npay + this.allowance;

}

public void calculateIncomeTax() {

if (this.grossPay < 50000) {

this.incomeTax = 0.05 \* this.grossPay;

} else {

this.incomeTax = 0.10 \* this.grossPay;

}

}

public void displayDetails() {

System.out.println("Employee Name: " + this.name);

System.out.println("Employee ID: " + this.empid);

System.out.println("Employee Category: " + this.category);

System.out.println("Basic Pay: " + this.basicPay);

System.out.println("HRA: " + this.hra);

System.out.println("DA: " + this.da);

System.out.println("Net Pay: " + this.npay);

System.out.println("PF: " + this.pf);

System.out.println("Gross Pay: " + this.grossPay);

System.out.println("Income Tax: " + this.incomeTax);

System.out.println("Allowance: " + this.allowance);

}

}

// Emppay.java

import employee.Emp;

public class Emppay {

public static void main(String[] args) {

Emp e = new Emp("John", 1001, "Manager", 35000.0, 10000.0, 8000.0);

e.allowance = 3000.0;

e.calculateNetPay();

e.calculatePF();

e.calculateGrossPay();

e.calculateIncomeTax();

e.displayDetails();

}

}

A screen shot of a computer

Description automatically generated

myproject/

├── employee/

│ ├── Emp.java

├── Emppay.java