package intern;

import java.util.ArrayList;

import java.util.List;

import java.util.Scanner;

class Employee {

private int id;

private String name;

private double salary;

private int attendance;

// Constructors, getters, and setters

public Employee(int id, String name, double salary, int attendance) {

this.id = id;

this.name = name;

this.salary = salary;

this.attendance = attendance;

}

public String getName() {

return name;

}

public double calculateSalary() {

// Implement salary calculation logic (e.g., basic salary + allowances - deductions)

return salary \* (attendance / 30.0); // Assuming monthly salary and attendance out of 30 days

}

}

class PayrollSystem {

private List<Employee> employees;

public PayrollSystem() {

this.employees = new ArrayList<>();

}

public void addEmployee(Employee employee) {

employees.add(employee);

}

public List<Employee> getEmployees() {

return employees;

}

public void generatePayslip(Employee employee) {

// Implement payslip generation logic

double salary = employee.calculateSalary();

double tax = calculateTax(salary);

double netSalary = salary - tax;

System.out.println("Payslip for " + employee.getName());

System.out.println("Basic Salary: " + salary);

System.out.println("Tax Deduction: " + tax);

System.out.println("Net Salary: " + netSalary);

}

private double calculateTax(double salary) {

// Implement tax calculation logic

return 0.1 \* salary; // Assuming a simple 10% tax rate

}

}

public class MainPayroll {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

// Create a PayrollSystem instance

PayrollSystem payrollSystem = new PayrollSystem();

// Add employees to the system

Employee employee1 = new Employee(1, "Rutuja Shirsat", 51000, 25);

Employee employee2 = new Employee(2, "Bhakti Shirsat", 50000, 24);

payrollSystem.addEmployee(employee1);

payrollSystem.addEmployee(employee2);

// Generate payslips for employees

for (Employee employee : payrollSystem.getEmployees()) {

payrollSystem.generatePayslip(employee);

}

scanner.close();

}

}