

```
abstract class Employee {  
  
    protected int empId;  
    protected String name;  
  
    public Employee(int empId, String name) {  
        this.empId = empId;  
        this.name = name;  
    }  
  
    public abstract double calculateSalary();  
  
    public void displayDetails() {  
        System.out.println("Employee ID: " + empId);  
        System.out.println("Name : " + name);  
    }  
}  
  
class FullTimeEmployee extends Employee {  
  
    private double monthlySalary;  
    private double bonus;  
  
    public FullTimeEmployee(int empId, String name, double monthlySalary, double bonus) {  
        super(empId, name);  
        this.monthlySalary = monthlySalary;  
        this.bonus = bonus;  
    }  
  
    @Override  
    public double calculateSalary() {  
        return monthlySalary + bonus;  
    }  
}  
  
class PartTimeEmployee extends Employee {  
  
    private int hoursWorked;  
    private double hourlyRate;  
  
    public PartTimeEmployee(int empId, String name, int hoursWorked, double hourlyRate) {  
        super(empId, name);  
        this.hoursWorked = hoursWorked;  
        this.hourlyRate = hourlyRate;  
    }  
}
```

```

@Override
public double calculateSalary() {
    return hoursWorked * hourlyRate;
}

public class PayrollSystem {

    public static void main(String[] args) {

        Employee e1 = new FullTimeEmployee(101, "Latha", 50000, 5000);
        Employee e2 = new PartTimeEmployee(102, "Arun", 80, 300);

        System.out.println("===== PAYROLL SUMMARY =====\n");

        Employee[] employees = { e1, e2 };

        for (Employee emp : employees) {
            emp.displayDetails();
            System.out.println("Salary : ₹" + emp.calculateSalary());
            System.out.println("-----");
        }
    }
}

```

OUTPUT:

```

===== PAYROLL SUMMARY =====

Employee ID: 101
Name : Latha
Salary : ₹50000.0

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Employee ID: 102
Name : Arun
Salary : ₹24000.0

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```

Process finished with exit code 0