

```
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;
    }
}
```

OUTPUT:

```
C:\Users\lathe\javadownload> java -Djava.class.path=. -Djava.ext.class.path=C:\Program Files\Java\jre6\bin\ext\classes.jar -Dfile.encoding=UTF-8
===== PAYROLL SUMMARY =====

Employee ID: 101
Name      : Lethe
Salary    : +$18000.0
=====
Employee ID: 102
Name      : Arun
Salary    : +$24000.0
=====

Process finished with exit code 0
```