

```

package programming11lap;
class StaffMember {
    private String staffName;
    private String phoneNo;

    public StaffMember(String
staffName, String phoneNo) {
        this.staffName = staffName;
        this.phoneNo = phoneNo;
    }

    public double salary() {
        return 0.0;
    }
}

class Volunteer extends StaffMember {
    public Volunteer(String staffName,
String phoneNo) {
        super(staffName, phoneNo);
    }
}

class Employee extends StaffMember {
    private double salaryRate;

    public Employee(String staffName,
String phoneNo, double salaryRate) {
        super(staffName, phoneNo);
        this.salaryRate = salaryRate;
    }

    public double getSalaryRate() {
        return salaryRate;
    }

    public double salary() {
        return salaryRate;
    }
}

class HourlyEmployee extends Employee {
    private int workHours;

    public HourlyEmployee(String
staffName, String phoneNo, double
salaryRate) {
        super(staffName, phoneNo,
salaryRate);
        workHours = 0;
    }

    public void addHours(int moreHours)
{
        workHours += moreHours;
    }

    public double salary() {
        double payment =
getSalaryRate() * workHours;
        workHours = 0;
        return payment;
    }
}

class Executive extends Employee {
    private double bonusAmount;

    public Executive(String staffName,
String phoneNo, double salaryRate) {
        super(staffName, phoneNo,
salaryRate);
        bonusAmount = 0;
    }

    public void awardBonus(double
execBonus) {
        bonusAmount = execBonus;
    }

    public double salary() {
        double payment = super.salary()
+ bonusAmount;
        bonusAmount = 0;
        return payment;
    }
}

public class Staff{
    public static void main(String[]
args) {
        StaffMember[] staffArray = new
StaffMember[4];

        staffArray[0] = new
Executive("Ghazi", "860-1490",
1923.07);
        staffArray[1] = new
Employee("Turki", "0555-0101", 846.15);
        staffArray[2] = new
HourlyEmployee("Thamer", "0555-0690",
8.55);
        staffArray[3] = new
Volunteer("Sami", "849-8374");

        for (int i = 0; i <
staffArray.length; i++) {
            if (staffArray[i]
instanceof Executive) {
                Executive e =
(Executive) staffArray[i];
                e.awardBonus(5000.00);
            } else if (staffArray[i]
instanceof HourlyEmployee) {
                HourlyEmployee h =
(HourlyEmployee) staffArray[i];
                h.addHours(40);
            }
        }

        System.out.println("The total
amount to pay is " +
getTotalCost(staffArray));
    }

    public static double
getTotalCost(StaffMember[] staffList) {
        double totalAmount = 0.0;

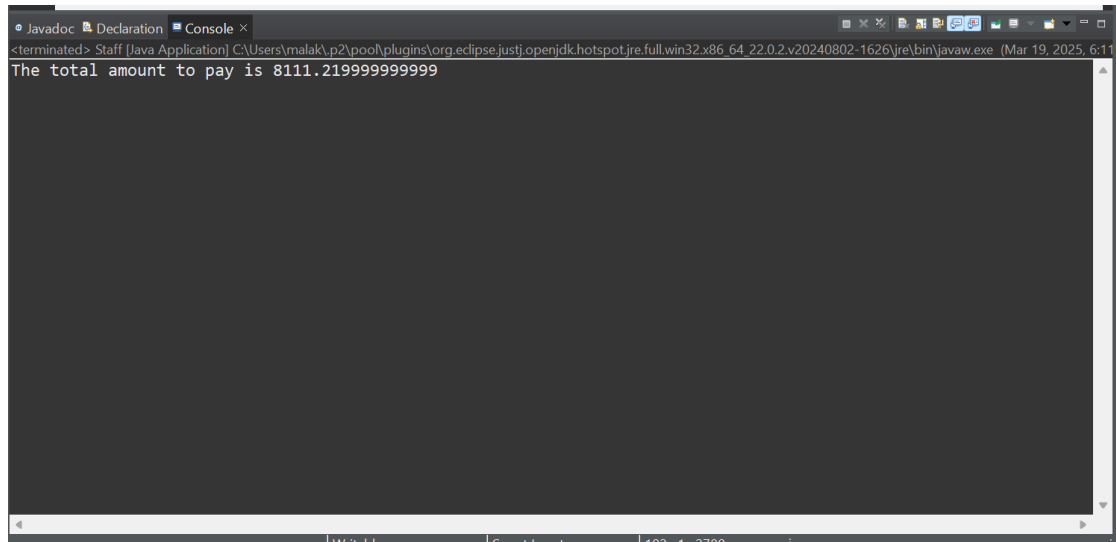
        for (int count = 0; count <
staffList.length; count++)
            totalAmount +=
staffList[count].salary();

        return totalAmount;
    }
}

```

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The screenshot shows a Java IDE window with a console tab. The console output displays the text "The total amount to pay is 8111.219999999999". The IDE interface includes a top bar with tabs for "Javadoc", "Declaration", and "Console". The console window has a dark background and a light-colored border. The output text is in a monospaced font.

```
<terminated> Staff [Java Application] C:\Users\malak\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64.22.0.2.v20240802-1626\jre\bin\javaw.exe (Mar 19, 2025, 6:11 PM)  
The total amount to pay is 8111.219999999999
```