

```

import java.util.*;
public class Main {

    public static void main(String[] args) {

        Employee Ash = new Employee(1,"(21,ImperialHeights,440001)",100000,"Ash");
        Employee Max = new Employee(2,"(22,CapitolHeights,440002)",200000,"Max");
        Employee Kai = new Employee(3,"(23,EmpressCity,440003)",300000,"Kai");
        Employee Tyson = new Employee(4,"(24,BloomDale,440004)",400000,"Tyson");
        Employee Brooklyn = new Employee(5,"(25,JayantiNagari,440005)",500000,"Brooklyn");
        Employee Richie = new Employee(6,"(26,TwinTower,440006)",600000,"Richie");
        Employee Alex = new Employee(7,"(27,Antilia,440007)",400000,"Alex");
        Employee Alexa = new Employee(8,"(28,skyLine,440008)",200000,"Alexa");
        Employee Robin = new Employee(9,"(29,Rockwell,440009)",120000,"Robin");
        Employee Sherlock = new Employee(10,"(30,AakarHeights,440010)",140000,"Sherlock");

        ArrayList<Employee> employees = new ArrayList<>();
        employees.add(Ash);
        employees.add(Max);
        employees.add(Kai);
        employees.add(Tyson);
        employees.add(Brooklyn);
        employees.add(Richie);
        employees.add(Alex);
        employees.add(Alexa);
        employees.add(Robin);
        employees.add(Sherlock);

        Calculations f = new Calculations(employees);
        Display z = new Display(employees);
        System.out.println("Details of 10 Employees: ");
        z.getDisplay();
    }
}

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public class Calculations {

    public Calculations(ArrayList<Employee> employees){
        for(Employee employee : employees){
            employee.setPer( (float)0.2*(employee.getBS()));
            employee.setHRA((float) (employee.getPer()));
        }
        for(Employee employee : employees){
            employee.setPer2( (float)0.45*(employee.getBS()));
            employee.setDA((float) (employee.getPer2()));
        }
        for(Employee employee : employees){
            employee.setPer3( (float)0.07*(employee.getBS()));
            employee.setPT((float) (employee.getPer3()));
        }
        for(Employee employee : employees){
            employee.setPer4((employee.getBS()+employee.getHRA()+employee.getDA()));
            employee.setTS((float) (employee.getPer4()));
        }
        for(Employee employee : employees){
            employee.setPer5((employee.getTS())-employee.getPT());
            employee.setTHS((float) (employee.getPer5()));
        }
    }
}

```

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    }

}

public class Display {

    ArrayList<Employee> employees;
    public Display(ArrayList<Employee> employees){
        this.employees = employees;
    }
    public void getDisplay(){
        for (Employee employee : employees){

            System.out.println("Name: " + employee.getName() + ", Employee ID: "
                + employee.getEmpId() + ", Address: " + employee.getAddress() + ",
BasicSalary: " + employee.getBS() +
                ",HRA: " + employee.getHRA() +
                ",DA: " + employee.getDA() + ",Ptax: " + employee.getPT() +
",TotalSalary: " + employee.getTS()
                + ", TakeHomeSalary: " + employee.getTHS());

        }
    }
}

```

```

public class Employee {

    int EmpId,BS;
    String name,address;
    float HRA,DA,PT,TS,THS;
    float per,per2,per3,per4,per5;

    public int getEmpId(){
        return EmpId;
    }

    public void setEmpId(int empId){
        this.EmpId = empId;
    }

    public String getName(){
        return name;
    }

    public void setName(String name){
        this.name=name;
    }

    public String getAddress() {
        return address;
    }

    public void setAddress(String address){
        this.address = address;
    }

    public int getBS() {
        return BS;
    }

    public void setBS(int BS) {
        this.BS = BS;
    }
}

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}

public Employee(int EmpId, String address,int BS, String name){
    this.EmpId = EmpId;
    this.address = address;
    this.name=name;
    this.BS=BS;
}

public float getHRA(){
    return HRA;
}

public void setHRA(float HRA){
    this.HRA = HRA;
}

public float getDA() {
    return DA;
}

public void setDA(float DA) {
    this.DA = DA;
}

public float getPT() {
    return PT;
}

public void setPT(float PT) {
    this.PT = PT;
}

public float getTS() {
    return TS;
}

public void setTS(float TS) {
    this.TS = TS;
}

public float getTHS() {
    return THS;
}

public void setTHS(float THS) {
    this.THs = THS;
}

public float getPer(){
    return per;
}

public void setPer(float per){
    this.per=per;
}

public float getPer2() {
    return per2;
}

public void setPer2(float per2) {
    this.per2 = per2;
}

public float getPer3() {
    return per3;
}

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}

public void setPer3(float per3) {
    this.per3 = per3;
}

public float getPer4() {
    return per4;
}

public void setPer4(float per4) {
    this.per4 = per4;
}

public float getPer5() {
    return per5;
}

public void setPer5(float per5) {
    this.per5 = per5;
}
}
```

```
"C:\Program Files\Java\jdk1.8.0_212\bin\java" ...
```

Details of 10 Employees:

```
Name: Ash, Employee ID: 1, Address: (21,ImperialHeights,440001), BasicSalary: 100000,HRA: 20000.0,DA: 45000.0,Ptax: 7000.0,TotalsSalary: 165000.0, TakeHomeSalary: 158000.0
Name: Max, Employee ID: 2, Address: (22,CapitolHeights,440002), BasicSalary: 200000,HRA: 40000.0,DA: 90000.0,Ptax: 14000.0,TotalsSalary: 330000.0, TakeHomeSalary: 316000.0
Name: Kai, Employee ID: 3, Address: (23,EmpressCity,440003), BasicSalary: 300000,HRA: 60000.0,DA: 135000.0,Ptax: 21000.0,TotalsSalary: 495000.0, TakeHomeSalary: 474000.0
Name: Tyson, Employee ID: 4, Address: (24,BloomDale,440004), BasicSalary: 400000,HRA: 80000.0,DA: 180000.0,Ptax: 28000.0,TotalsSalary: 660000.0, TakeHomeSalary: 632000.0
Name: Brooklyn, Employee ID: 5, Address: (25,JayantiNagari,440005), BasicSalary: 500000,HRA: 100000.0,DA: 225000.0,Ptax: 35000.0,TotalsSalary: 825000.0, TakeHomeSalary: 790000.0
Name: Richie, Employee ID: 6, Address: (26,TwinTower,440006), BasicSalary: 600000,HRA: 120000.0,DA: 270000.0,Ptax: 42000.0,TotalsSalary: 990000.0, TakeHomeSalary: 948000.0
Name: Alex, Employee ID: 7, Address: (27,Antilia,440007), BasicSalary: 400000,HRA: 80000.0,DA: 180000.0,Ptax: 28000.0,TotalsSalary: 660000.0, TakeHomeSalary: 632000.0
Name: Alexa, Employee ID: 8, Address: (28,skyLine,440008), BasicSalary: 200000,HRA: 40000.0,DA: 90000.0,Ptax: 14000.0,TotalsSalary: 330000.0, TakeHomeSalary: 316000.0
Name: Robin, Employee ID: 9, Address: (29,Rockwell,440009), BasicSalary: 120000,HRA: 24000.0,DA: 54000.0,Ptax: 8400.0,TotalsSalary: 198000.0, TakeHomeSalary: 189600.0
Name: Sherlock, Employee ID: 10, Address: (30,AakarHeights,440010), BasicSalary: 140000,HRA: 28000.0,DA: 63000.0,Ptax: 9800.0,TotalsSalary: 231000.0, TakeHomeSalary: 221200.0
```

Process finished with exit code 0