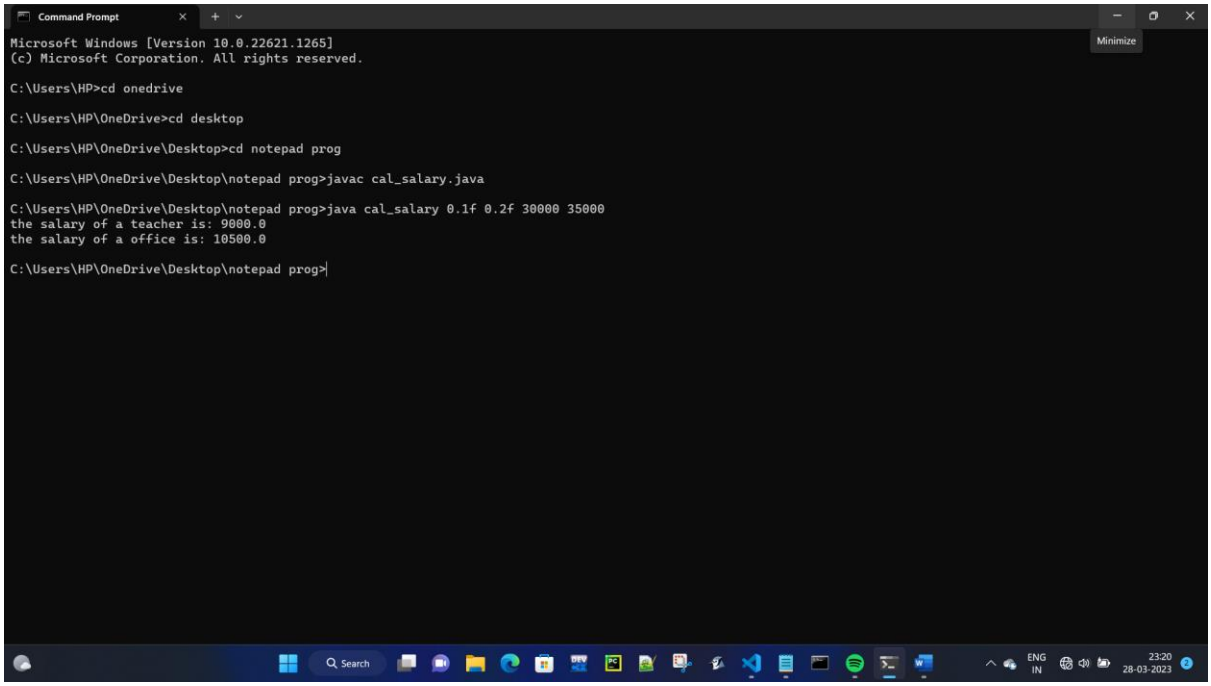
Q.4-->Write a prog to maintain office record using single inheritance where superclass is employee, that contains em_code, em_name,address, phn_no, da=10%, hra=20%,teaching class contains attributes(specialization) ,designation & office class contains only designation. create the classes and each classes by using their own basic pay. Implement the inheritance concept & the salary statement of each employee.

/*calculate salary by inheritance and cla */

```
class employee{
   int em_code;
   String em_name;
   String address;
   long phn_no;
   float da;
   float hra;
   float salary;
   employee(float a,float b){
      da=a;
      hra=b;
   }
}
class teacher extends employee{
   String specialization;
   String designation;
   teacher(float a,float b){
      super(a,b);
      da=a;
```

```
        hra=b;
    }
    void cal_salary_teacher(int basic_pay){
        salary=da*basic_pay+hra*basic_pay;
        System.out.println("the salary of a teacher is: "+salary);
    }
}
class office extends employee{
    String designation;
    office(float a,float b){
        super(a,b);
        da=a;
        hra=b;
    }
    void cal_salary_office(int basic_pay){
        salary=da*basic_pay+hra*basic_pay;
        System.out.println("the salary of a office is: "+salary);
    }
}
class cal_salary{
    public static void main(String args[]){
        float i=Float.parseFloat(args[0]);
        float j=Float.parseFloat(args[1]);
        int m=Integer.parseInt(args[2]);
        int n=Integer.parseInt(args[3]);
        teacher t=new teacher(i,j);
        office o=new office(i,j);
        t.cal_salary_teacher(m);
        o.cal_salary_office(n);
    }
}
```


Command Prompt
Minimize
Microsoft Windows [Version 10.0.22621.1265]
(c) Microsoft Corporation. All rights reserved.
C:\Users\HP>cd onedrive
C:\Users\HP\OneDrive>cd desktop
C:\Users\HP\OneDrive\Desktop>cd notepad prog
C:\Users\HP\OneDrive\Desktop\notepad prog>javac cal_salary.java
C:\Users\HP\OneDrive\Desktop\notepad prog>java cal_salary 0.1f 0.2f 30000 35000
the salary of a teacher is: 9000.0
the salary of a office is: 10500.0
C:\Users\HP\OneDrive\Desktop\notepad prog>
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