

Inheritance

```
import java.util.*;
class employee
{
    int no;

    String name;
    void accept_employee()
    {
        Scanner sc=new Scanner(System.in);
        System.out.println("Enter Employee No and Name:");
        no=sc.nextInt();

        name=sc.next();
    }

    void display_employee()
    {
        System.out.println("Employee No:"+no+" Name:"+name);
    }
}

class fulltime extends employee
{
    double basic=0,hra=0,da=0;
    double sal=0;
    void accept()
    {
        Scanner sc=new Scanner(System.in);
        System.out.println("Enter the Employee's Basic Salary,Hra and Da:");
        basic=sc.nextDouble();
        hra=sc.nextDouble();
        da=sc.nextDouble();
        sal=basic+hra+da;
    }

    void display()
    {
        System.out.println("Employee's Basic salary:"+basic+" Hra:"+hra+" Da:"+da+"Salary:"+sal);
    }
}

class parttime extends employee
{
    int working_hours=0,wage=0,sal=0;
    void accept()
    {
        Scanner sc=new Scanner(System.in);
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        System.out.println("Enter the Employee's working hours and wage:");
        working_hours=sc.nextInt();
        wage=sc.nextInt();
        sal=working_hours*wage;
    }

    void display()
    {
        System.out.println("Employee's Working hours:"+working_hours+"
Wage:"+wage+"Salary:"+sal);
    }
}

class main
{
    public static void main(String args[])
    {
        Scanner sc=new Scanner(System.in);
        while(true)
        {
            System.out.println("1.Full time employee\n2.Part time employee\n3.Exit\nEnter choice");
            int ch=sc.nextInt();
            if(ch==3)
            {
                break;
            }
            switch(ch)
            {
                case 1:
                {
                    fulltime e1=new fulltime();
                    e1.accept_employee();
                    e1.accept();
                    e1.display_employee();
                    e1.display();
                }break;

                case 2:
                {
                    parttime e2=new parttime();
                    e2.accept_employee();
                    e2.accept();
                    e2.display_employee();
                    e2.display();
                }break;

                default:
                {
                    System.out.println("Invalid choice");
                }
            }
        }
    }
}

```

```
}  
}  
}  
}
```

```
C:\Windows\System32\cmd.exe - java main  
C:\Users\jaini\OneDrive\Desktop\Educational\COLLEGE\SE\Java\Inheritance>javac main.java  
C:\Users\jaini\OneDrive\Desktop\Educational\COLLEGE\SE\Java\Inheritance>java main  
1.Full time employee  
2.Part time employee  
3.Exit  
Enter choice  
1  
Enter Employee No and Name:  
1  
Jainish  
Enter the Employee's Basic Salary,Hra and Da:  
100 1100 2000  
Employee No:1 Name:Jainish  
Employee's Basic salary:100.0 Hra:1100.0 Da:2000.0Salary:3200.0  
1.Full time employee  
2.Part time employee  
3.Exit  
Enter choice  
2  
Enter Employee No and Name:  
2  
ABc  
Enter the Employee's working hours and wage:  
10 500  
Employee No:2 Name:ABc  
Employee's Working hours:10 Wage:500Salary:5000  
1.Full time employee  
2.Part time employee  
3.Exit
```