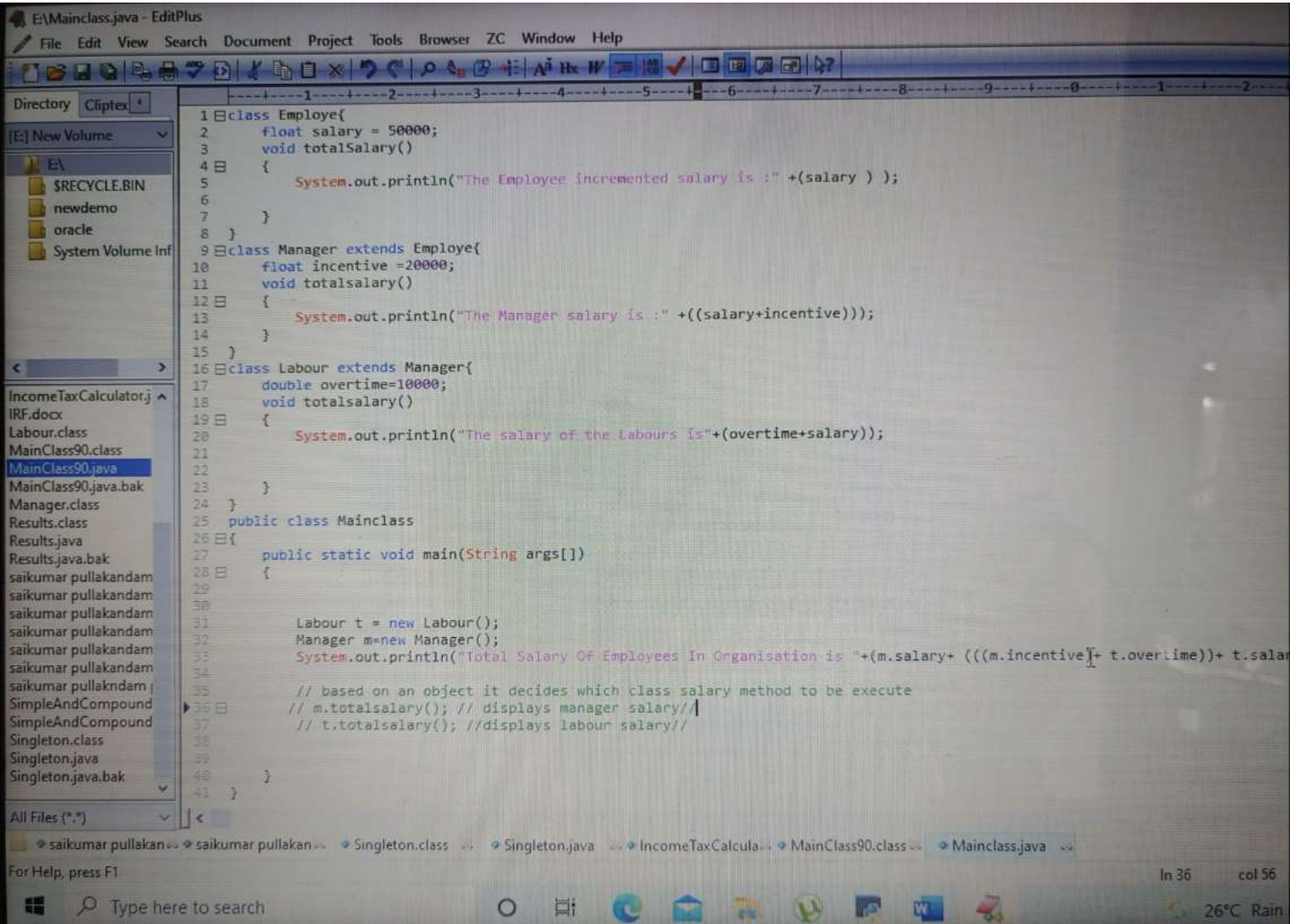


```
1 class Singleton {  
2  
3  
4     private static Singleton single_instance = null;  
5     public String s;  
6  
7     private Singleton()  
8 {  
9         s = "Hello I am a string part of Singleton class";  
10    }  
11  
12  
13    public static Singleton getInstance()  
14 {  
15     if (single_instance == null)  
16         single_instance = new Singleton();  
17  
18     return single_instance;  
19 }  
20 }
```




```
1 class Bank
2 {
3
4     void totalMoneyInBank()
5     {
6         System.out.println("The Employee incremented salary is :");
7     }
8 }
9
10 class SavingAcoount extends Bank
11 {
12     float fixedDeposits = 30000;
13     void totalMoneyInBank()
14     {
15         System.out.println("total money in savings account : " + ((fixedDeposits)));
16     }
17 }
18 class CurrentAcccount extends SavingAcoount
19 {
20     double cashCredit = 700000;
21     void totalMoneyInBank()
22     {
23         System.out.println("The total money in current account " + (cashCredit));
24     }
25 }
26 }
27
28 public class Mainclass1
29 {
30     public static void main(String args[])
31     {
32
33         CurrentAcccount m = new CurrentAcccount();
34         SavingAcoount s = new SavingAcoount();
35
36         // based on an object it decides which class account method to be execute
37         m.totalMoneyInBank(); //prints total money in current ac//
38         s.totalMoneyInBank(); //prints total money in savings ac//
39
40         System.out.println("Total money in the bank is " + (m.fixedDeposits + m.cashCredit));
41     }
42 }
```



nclass1.java - EditPlus

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Cliptex 16 }

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```
The total money in current account 700000.0  
total money in savings account :30000.0  
Total money in the bank is 730000.0  
Press any key to continue . . .
```

Calculator

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```
1 abstract class Shape
2 {
3     abstract void draw();
4     {
5
6     }
7 }
8 class Line extends Shape
9 {
10     public void draw()
11     {
12         System.out.println("draw Line");
13     }
14 }
15 class Rectangle extends Shape
16 {
17     public void draw()
18     {
19         System.out.println("draw rectangle");
20     }
21 }
22 class Circle extends Shape
23 {
24     public void draw()
25     {
26         System.out.println("draw circle");
27     }
28 }
29 }
30 class Cube extends Shape
31 {
32     public void draw()
33     {
34         System.out.println("draw cube");
35     }
36 }
37 }
38 class Mainclass
39 {
40     public static void main(String[] args)
41     {
42         // ...
43     }
44 }
```


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```
34      System.out.println("draw cube");
35  }
36
37  }
38  class Mainclass
39  {
40      public static void main(String[] args)
41      {
42          Shape obj=new Line();
43          obj.draw();
44          Shape obj1=new Rectangle();
45          obj1.draw();
46          Shape obj2=new Circle();
47          obj2.draw();
48          Shape obj3=new Cube();
49          obj3.draw();
50      }
51
52  }
53
54
```

I

E:\Mainclass.java - EditPlus

C:\Windows\system32\cmd.exe

draw Line
draw rectangle
draw circle
draw cube
Press any key to continue


```
1
2 public class Candy extends DessertItem {
3     private double weight;
4     private double pricePerPound;
5
6
7     public Candy()
8     {
9         super();
10        weight = 0;
11        pricePerPound = 0;
12    }
13
14    public Candy(String name, double w, double prc)
15    {
16        super(name);
17        weight = w;
18        pricePerPound = prc;
19    }
20
21
22    public double getWeight() {
23        return weight;
24    }
25
26    public void setWeight(double weight) {
27        this.weight = weight;
28    }
29
30    public double getPricePerPound() {
31        return pricePerPound;
32    }
33
34    public void setPricePerPound(double pricePerPound) {
35        this.pricePerPound = pricePerPound;
36    }
37
38    @Override
39    public double getCost() {
40        double total = weight * pricePerPound;
41        total = Math.round(total * 100);
42    }
43 }
```


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```
34 public void setPricePerPound(double pricePerPound) {
35     this.pricePerPound = pricePerPound;
36 }
37
38 @Override
39 public double getCost() {
40     double total = weight * pricePerPound;
41     total = Math.round(total * 100);
42     return total;
43 }
44
45
46 public String toString()
47 {
48     String s = String.format("%-50s $%.2f\n\t %.2f lbs @ $.2f", getName(), getCost()/100, weight, pricePerPound);
49     return s;
50 }
51 }
52
53
54 |
```


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