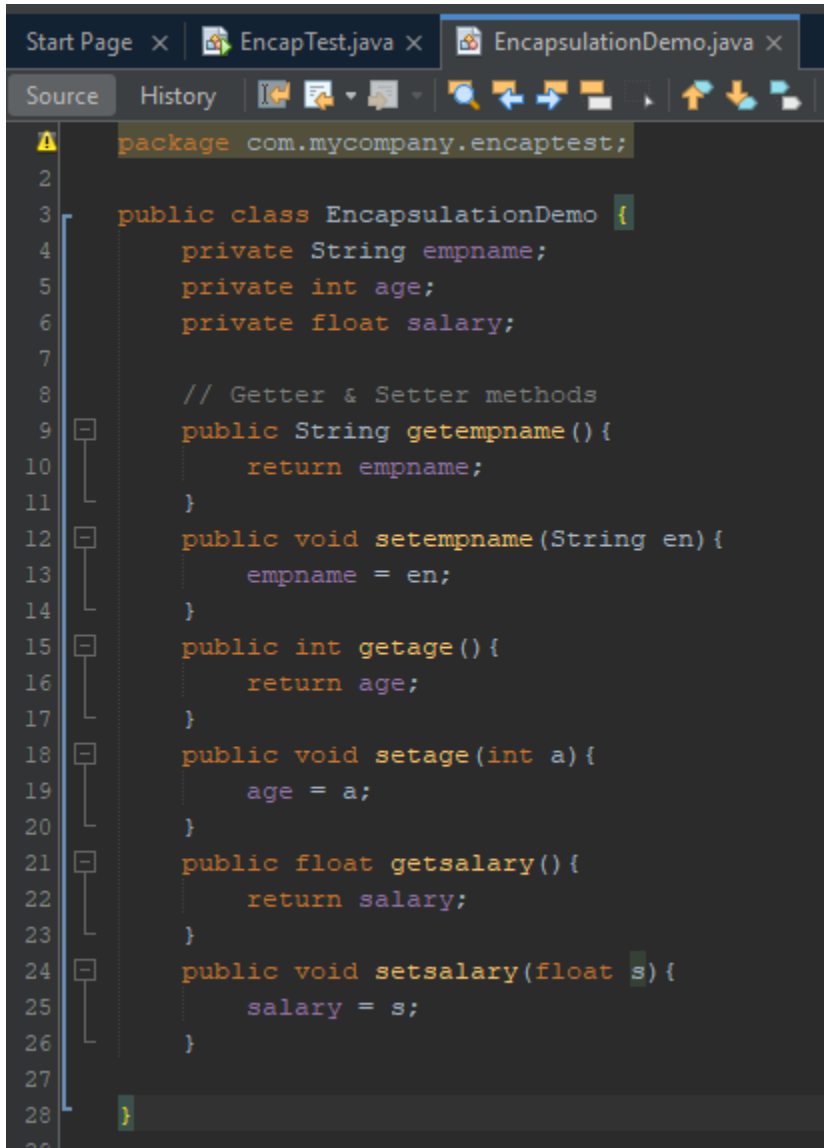


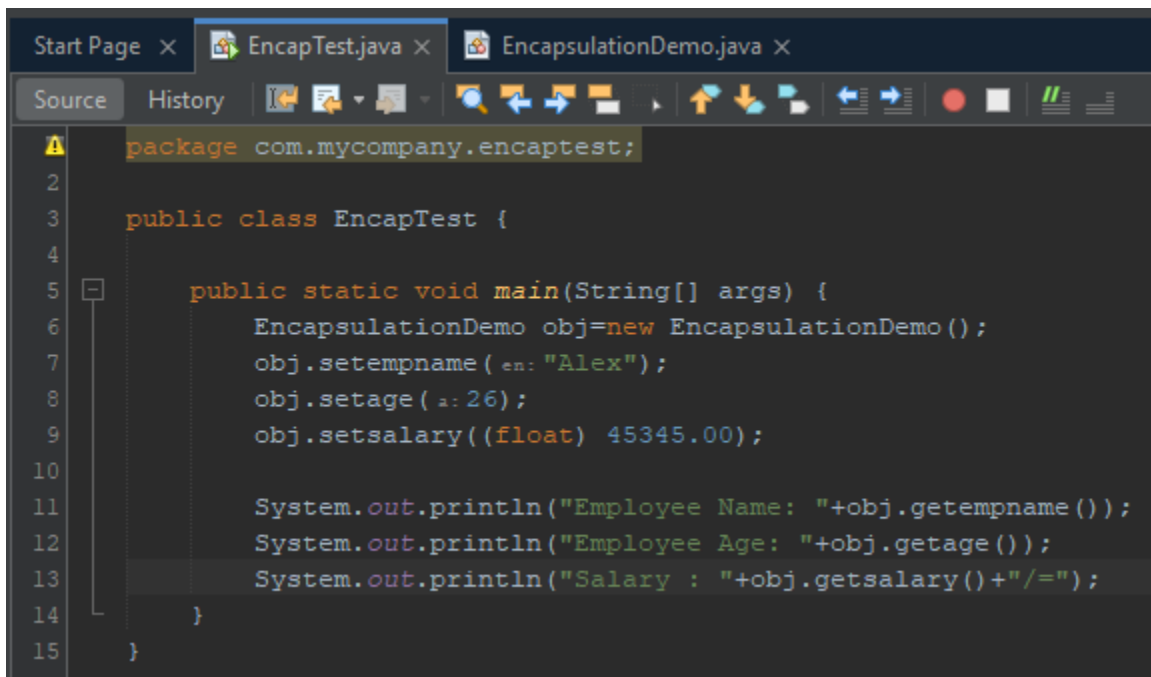
## Practical 3.

### Exercise 3-1;



```
Start Page x EncapTest.java x EncapsulationDemo.java x
Source History
package com.mycompany.encaptest;

2
3 public class EncapsulationDemo {
4     private String empname;
5     private int age;
6     private float salary;
7
8     // Getter & Setter methods
9     public String getempname(){
10         return empname;
11     }
12     public void setempname(String en){
13         empname = en;
14     }
15     public int getage(){
16         return age;
17     }
18     public void setage(int a){
19         age = a;
20     }
21     public float getsalary(){
22         return salary;
23     }
24     public void setsalary(float s){
25         salary = s;
26     }
27
28 }
```



```
Start Page x EncapTest.java x EncapsulationDemo.java x
Source History
package com.mycompany.encaptest;

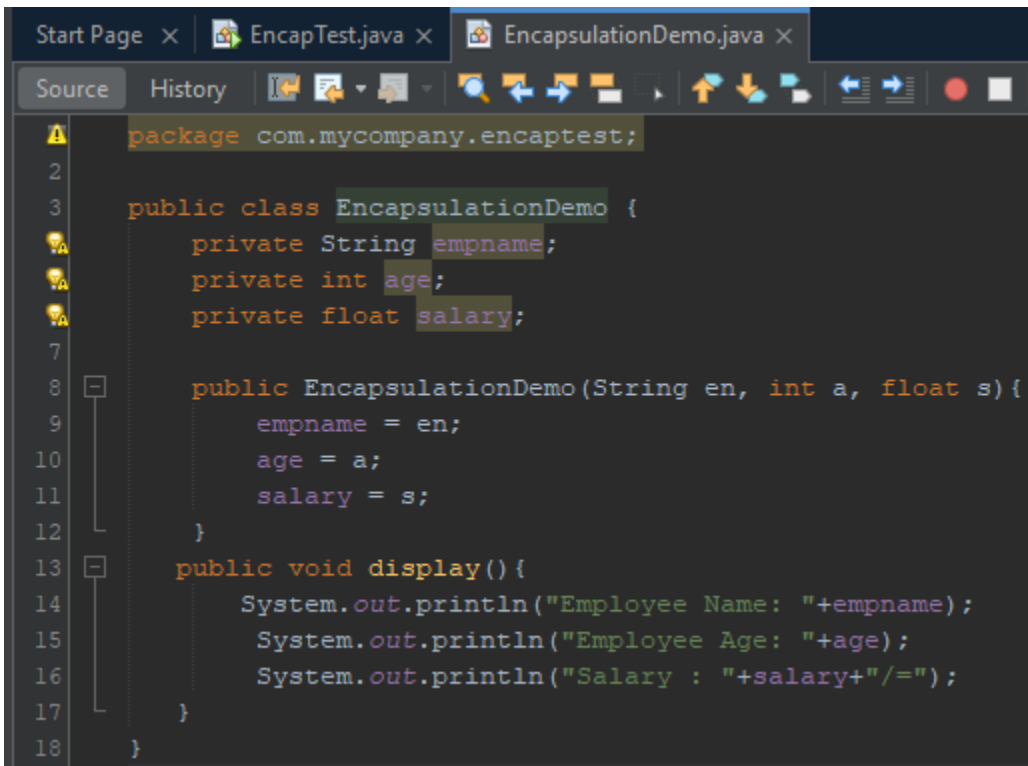
2
3 public class EncapTest {
4
5     public static void main(String[] args) {
6         EncapsulationDemo obj=new EncapsulationDemo();
7         obj.setempname(en: "Alex");
8         obj.setage(a: 26);
9         obj.setsalary((float) 45345.00);
10
11         System.out.println("Employee Name: "+obj.getempname());
12         System.out.println("Employee Age: "+obj.getage());
13         System.out.println("Salary : "+obj.getsalary()+"/=");
14     }
15 }
```

```

--- exec-maven-plugin:3.0.0:exec (default-cli) @ EncapTest ---
Employee Name: Alex
Employee Age: 26
Salary : 45345.0/=
-----
BUILD SUCCESS

```

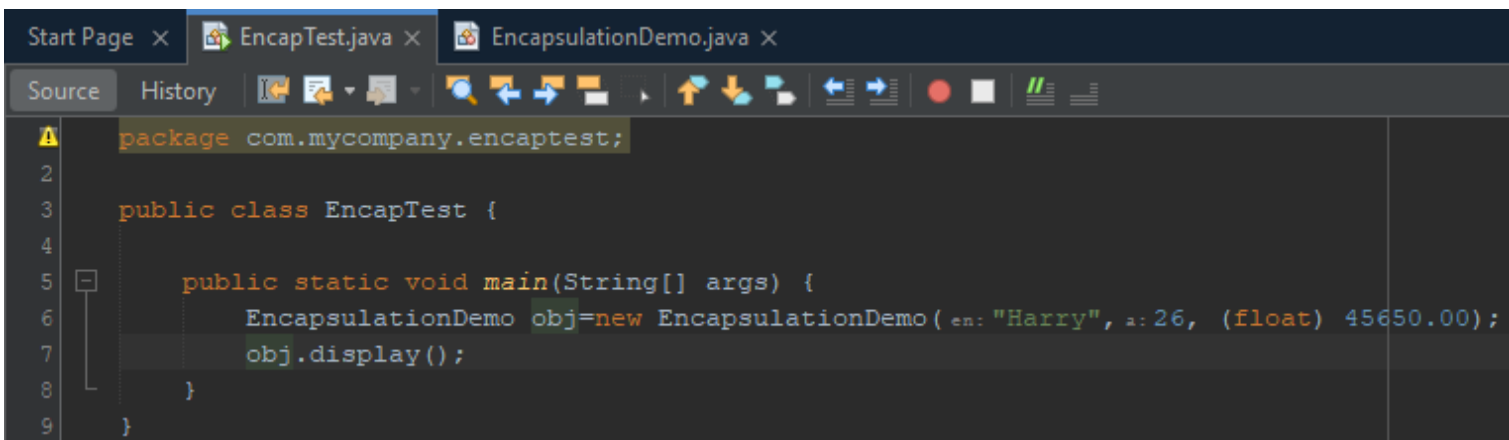
✚ Modify and Replace the setter using Constructor;



```

Start Page x EncapTest.java x EncapsulationDemo.java x
Source History
package com.mycompany.encaptest;
2
3 public class EncapsulationDemo {
4     private String empname;
5     private int age;
6     private float salary;
7
8     public EncapsulationDemo(String en, int a, float s) {
9         empname = en;
10        age = a;
11        salary = s;
12    }
13    public void display() {
14        System.out.println("Employee Name: "+empname);
15        System.out.println("Employee Age: "+age);
16        System.out.println("Salary : "+salary+"/=");
17    }
18 }

```



```

Start Page x EncapTest.java x EncapsulationDemo.java x
Source History
package com.mycompany.encaptest;
2
3 public class EncapTest {
4
5     public static void main(String[] args) {
6         EncapsulationDemo obj=new EncapsulationDemo(en:"Harry", a:26, (float) 45650.00);
7         obj.display();
8     }
9 }

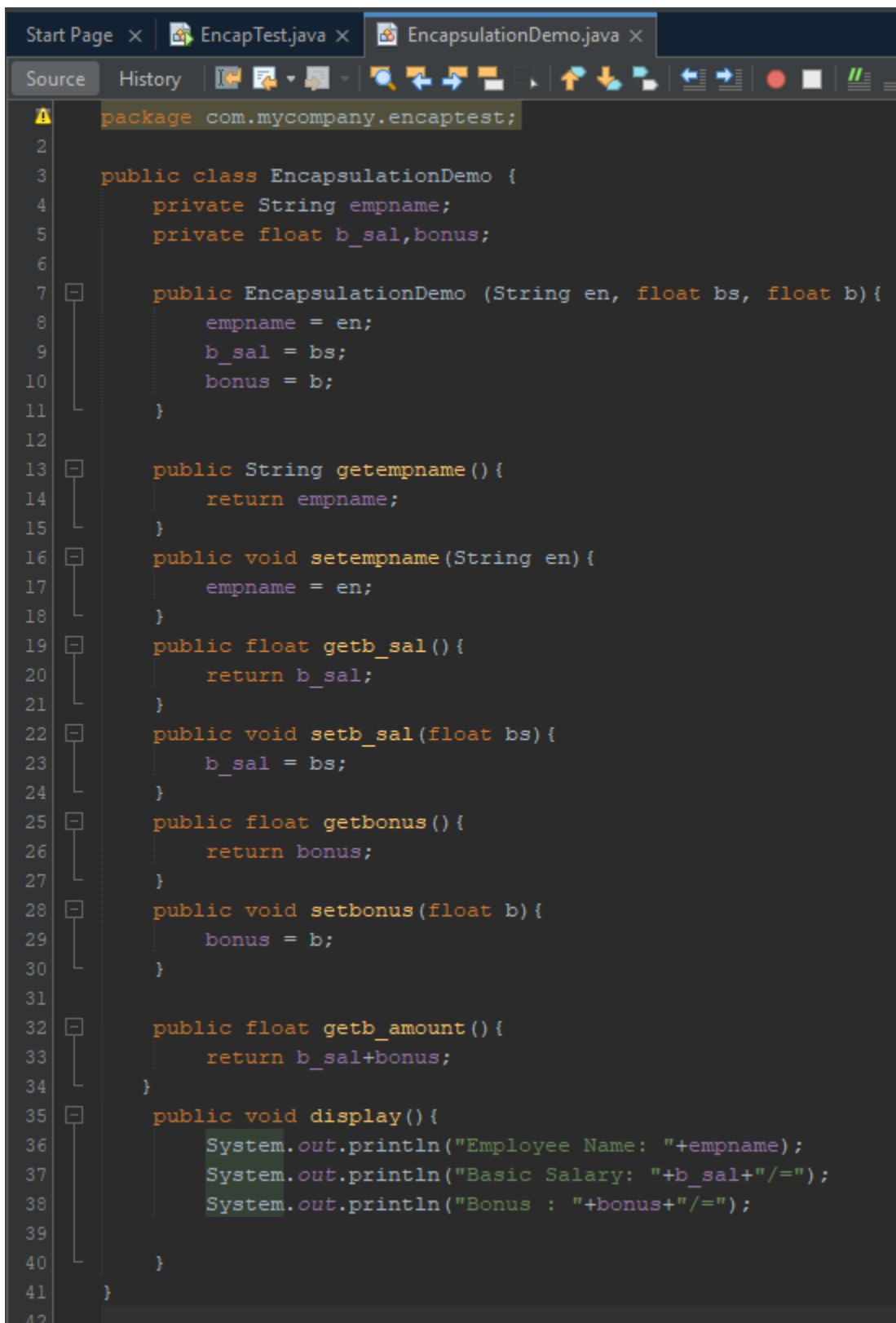
```

```

--- exec-maven-plugin:3.0.0:exec (default-cli) @ EncapTest ---
Employee Name: Harry
Employee Age: 26
Salary : 45650.0/=
-----
BUILD SUCCESS

```

### Exercise 3-2;



```
package com.mycompany.encaptest;

2
3 public class EncapsulationDemo {
4     private String empname;
5     private float b_sal,bonus;
6
7     public EncapsulationDemo (String en, float bs, float b){
8         empname = en;
9         b_sal = bs;
10        bonus = b;
11    }
12
13    public String getempname(){
14        return empname;
15    }
16    public void setempname(String en){
17        empname = en;
18    }
19    public float getb_sal(){
20        return b_sal;
21    }
22    public void setb_sal(float bs){
23        b_sal = bs;
24    }
25    public float getbonus(){
26        return bonus;
27    }
28    public void setbonus(float b){
29        bonus = b;
30    }
31
32    public float getb_amount(){
33        return b_sal+bonus;
34    }
35    public void display(){
36        System.out.println("Employee Name: "+empname);
37        System.out.println("Basic Salary: "+b_sal+"/=");
38        System.out.println("Bonus : "+bonus+"/=");
39    }
40 }
41
42
```

```
Start Page x EncapTest.java x EncapsulationDemo.java x
Source History
package com.mycompany.encaptest;
2
public class EncapTest {
3
4
5     public static void main(String[] args) {
6         EncapsulationDemo obj = new EncapsulationDemo(en: "Rocky", (float) 50000.00, (float) 10000.00);
7         obj.display();
8         float B_amount = obj.getb_amount();
9         System.out.println("Bonus Amount: "+B_amount+"/=");
10
11     }
12 }
13
```

```
--- exec-maven-plugin:3.0.0:exec (default-cli) @ EncapTest ---
Employee Name: Rocky
Basic Salary: 50000.0/=
Bonus : 10000.0/=
Bonus Amount: 60000.0/=
-----
BUILD SUCCESS
```