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Practical 3

1.	<p><u>Using getters and setters</u></p> <pre>public class Encap { private String name; private int age; private double salary; //using getters and setters public void setName(String name) { this.name=name; } public String getName() { return name; } public void setAge(int age) { this.age=age; } public int getAge() { return age; } public void setSalary(double salary) { this.salary=salary; } public double getSalary() { return salary; } }</pre> <p> </p> <pre>public class EncapObj { public static void main(String[] args) { Encap emp=new Encap(); //Using getters and setters</pre>
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```
emp.setName("Esanki");
emp.setAge(23);
emp.setSalary(300000);

System.out.println("Name: "+emp.getName());
System.out.println("Age: "+emp.getAge());
System.out.println("Salary: "+emp.getSalary());

}
}
```

Using constructor to set values

```
package com.mycompany.encapobj;

public class Encap {
    private String name;
    private int age;
    private double salary;

    //constructor
    public Encap(String name,int age,double salary)
    {
        this.name=name;
        this.age=age;
        this.salary=salary;
    }
    public String getName(){
        return name;
    }
    public int getAge(){
        return age;
    }
    public double getSalary(){
        return salary;
    }
}

public class EncapObj {

    public static void main(String[] args) {
        Encap emp=new Encap("Esanki",23,300000);

        System.out.println("Name: "+emp.getName());
        System.out.println("Age: "+emp.getAge());
        System.out.println("Salary: "+emp.getSalary());
    }
}
```

	<pre> } } </pre>
2.	<pre> package com.mycompany.encapobj; public class Encap { private String name; private double basicSalary; private double bonus; public Encap(String name,double basicSalary,double bonus) { this.name=name; this.basicSalary=basicSalary; this.bonus=bonus; } public void setName(String name) { this.name=name; } public String getName() { return name; } public void setBasicSalary(double basicSalary) { this.basicSalary=basicSalary; } public double getBasicSalary() { return basicSalary; } public void setBonus(double bonus) { this.bonus=bonus; } public double getBonus() { return bonus; } public double calculateBonusAmount() { return basicSalary+bonus; } } </pre>

```
public class EncapObj {  
  
    public static void main(String[] args) {  
        Encap emp=new Encap("Esanki",100000,20000);  
  
        System.out.println("Employee Name: "+emp.getName());  
        System.out.println("Basic Salary: "+emp.getBasicSalary());  
        System.out.println("Bonus: "+emp.getBasicSalary());  
        System.out.println("Bonus Amount: "+emp.calculateBonusAmount());  
    }  
}
```