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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;     } }  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());  
    }  
}
```