1.

“An encapsulated class contains three variables to store Name, Age and Salary of the employee. Evelop getters and setters to set and get values . Develop a test class to test your code.”

Now modify the same code by trying to replace the setters using a constructor.

```
package com.mycompany.emp;
public class EmployeeTest {
   public static void main(String[] args)
  {
      Employee employee = new Employee("sumith", 21, 45000.2f);

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

      employee.setName("kasun");
      employee.setAge(26);
      employee.setSalary(45000.2f);

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

```
package com.mycompany.emp;
public class Employee
 {
```

```
   private String name;
   private int age;
   private float salary;
   public Employee(String name, int age, float salary)
  {
      this.name = name;
      this.age = age;
      this.salary = salary;
   }
   public String getName() {
      return name;
   }
   public int getAge() {
      return age;
   }
   public float getSalary() {
      return salary;
   }
   public void setName(String name) {
      this.name = name;
   }
   public void setAge(int age) {
      this.age = age;
   }
   public void setSalary(float salary) {
      this.salary = salary;
   }
}
```

2.

Employee Name: xxxxx (Use setter to set and getter to retrieve)

Basic Salary: xxxx (Use setter to set and getter to retrieve)

Bonus: xxxx (You may use the constructor to pass this value)

Bonus Amount: xxxxx (Develop a separate method to calculate Bonus amount. Bonus amount is the total of Bonus and Basic Salary

Answer….

```
package com.mycompany.emp;
public class App
{
    public static void main(String[] args)
    {
        Employee e1=new Employee();
        e1.setData(4566, "semil", 12500.00f);
        e1.Displaydeails();
        e1.setBasicSalary(50000.00f);
        System.out.println("Basic Salary "+e1.getSS());
    }
}
```

```
package com.mycompany.emp;
public class Employee
{
    private int empNo;
```

```
    private String empName;
    private float basicSalary;
    //method
    public void setData(int n,String a,float s)
    {
       empNo=n;
       empName=a;
       basicSalary=s;
    }
    public void Displaydeails()
    {
       System.out.println("employee Number "+empNo);
       System.out.println("employee Name "+empName);
       System.out.println("employee basicsalary "+basicSalary);
    }
    public void setBasicSalary(float basicSalary)
    {
       this.basicSalary=basicSalary;
    }
    public float getSS()
    {
       return basicSalary;
    }

}
```