

Unit #1.2

9) Write a program to demonstrate encapsulation.

Program :

This program consisted of two java classes and they are Encapsulation and RunEncapsulation and the respective codes on these pages are :

On the file RunEncapsulation :

```
/*
 * To change this license header, choose License Headers in Project
Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */
package encapsulation;

/**
 *
 * @author aashish
 */
public class RunEncapsulation {

    private String name;
    private String address;
    private int age;

    public int getAge() {
        return age;
    }

    public String getName() {
        return name;
    }

    public String getAddress() {
        return address;
    }

    public void setAge(int age) {
        this.age = age;
    }

    public void setName(String name) {
        this.name = name;
    }

    public void setAddress(String address) {
        this.address = address;
    }

}
```

Now the code on the file Encapsulation is :

```
/*
 * To change this license header, choose License Headers in Project
Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */
```

Aashish Shrestha

```
package encapsulation;

/**
 *
 * @author aashish
 */
public class Encapsulation {

    /**
     * @param args the command line arguments
     */
    public static void main(String[] args) {
        RunEncapsulation encapsulated = new RunEncapsulation();
        encapsulated.setName("Aashish");
        encapsulated.setAddress("Trishuli");
        encapsulated.setAge(21);
        System.out.println("The name is : " + encapsulated.getName()
            + ", the address is : " + encapsulated.getAddress() + "
and age is : " + encapsulated.getAge());

    }

}
```

Output :

```
run:
The name is : Aashish, the address is : Trishuli and age is :21
BUILD SUCCESSFUL (total time: 0 seconds)
```