OBJECT ORIENTED PROGRAMMING LAB

Name: Manya Madhu

Roll No: 17

Batch: S2 RMCA B

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Experiment No: 7

Aim

Create CPU class with attribute price, create inner class Processor (number of cores, manufacturer) and static nested class RAM (memory, manufacturer). Create an object of CPU and print information of Processor and RAM.

Procedure:

```
class cpu{
 int price=15000;

  class processor{
    int nCore=6;
                String manufacture="Intel";
  }

  static class ram{
    String memory="8 GB";
                    static int speed=3000;
                String manufacture="Hynix";
  }
 }

public class Computer{
 public static void main(String args[]){
  cpu cpuobj= new cpu();
  cpu.processor processorobj= cpuobj.new processor();
```

```
 cpu.ram ramobj= new cpu.ram();
  System.out.println("*******The details of Processor********");
  System.out.println(" ");
  System.out.println("Price:"+cpuobj.price);
  System.out.println("Number of cores:"+processorobj.nCore);
  System.out.println("Manufacturer:"+processorobj.manufacture);
  System.out.println(" ");
  System.out.println("*********The details of RAM***********");
  System.out.println("Memory:"+ramobj.memory);
  System.out.println("Speed:"+cpu.ram.speed);
  System.out.println("Manufacturer:"+ramobj.manufacture);
 }
}
```

Output:

```
C:\Users\Student\Documents>javac Computer.java

C:\Users\Student\Documents>java Computer
*******The details of Processor********

Price:15000
Number of cores:6
Manufacturer:Intel

*********The details of RAM***********
Memory:8 GB
Speed:3000
Manufacturer:Hynix

C:\Users\Student\Documents>
```