

OBJECT ORIENTED PROGRAMMING LAB

Experiment No.: 7

Aim

Create CPU 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.

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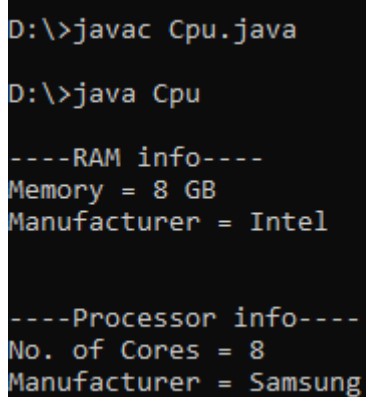
Procedure

```
public class Cpu{
    int price;
    class processor{
        int cores;
        String producer;
        processor(int noC, String manu){
            cores=noC;
            producer=manu;
        }
        void display(){
            System.out.println("\nProcessor info");
            System.out.println("No. of Cores = "+cores);
            System.out.println("Manufacturer = "+producer+"\n");
        }
    }
    static class ram{
        int mem;
        String manuf;
        ram(int memory,String producer ){
```

```
        mem=memory;
        manuf=producer;
    }
    void display(){
        System.out.println("\nRAM info");
        System.out.println("Memory = "+mem+" GB");
        System.out.println("Manufacturer = "+manuf+"\n");
    }
}

public static void main(String[] args) {
    Cpu.ram obj1= new Cpu.ram(8,"Intel");
    Cpu obj2 = new Cpu();
    Cpu.processor obj3 = obj2.new processor(8,"Samsung");
    obj1.display();
    obj3.display();
}
}
```

Output Screenshot



```
D:\>javac Cpu.java
D:\>java Cpu
----RAM info----
Memory = 8 GB
Manufacturer = Intel

----Processor info----
No. of Cores = 8
Manufacturer = Samsung
```

