

OBJECT-ORIENTED PROGRAMMING LAB**Name: Vishnu Vijayakumar****Roll No:53****Batch: B****Date: 25-04-2022****Experiment No.: 5****Aim**

Create CPU with attribute price. Create inner class Processor (no. of cores, manufacturer) and static nested class RAM (memory, manufacturer). Create an object of CPU and print information of Processor and RAM.

Program

```
class Cpu
{
    int price;

    Cpu(int p) {
        this.price = p;
    }

    class Processor
    {
        int cores;
        String manufacture;

        Processor(int n, String m)
        {
            this.cores = n;
            this.manufacture = m;
        }

        void display() {
```

```
        System.out.println("No of Cores : " + this.cores);  
        System.out.println("Processor manufactures : " + this.manufacture);  
    }  
}
```

```
static class Ram
```

```
{  
    int memory;  
    String manufacture;
```

```
Ram(int n, String m)  
{  
    this.memory = n;  
    this.manufacture = m;  
}
```

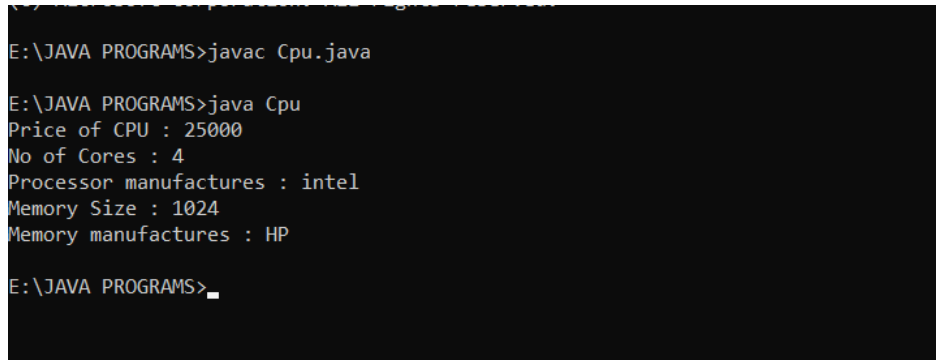
```
void display() {  
    System.out.println("Memory Size : " + this.memory);  
    System.out.println("Memory manufactures : " + this.manufacture);  
}  
}
```

```
void display() {  
    System.out.println("Price of CPU : " + this.price);  
}
```

```
public static void main(String[] args) {  
    Cpu intel = new Cpu(25000);  
    Cpu.Processor i_processor = intel.new Processor(4, "intel");
```

```
Cpu.Ram i_ram = new Ram(1024, "HP");  
intel.display();  
i_processor.display();  
i_ram.display();  
}  
}
```

Output Screenshot



```
E:\JAVA PROGRAMS>javac Cpu.java  
  
E:\JAVA PROGRAMS>java Cpu  
Price of CPU : 25000  
No of Cores : 4  
Processor manufactures : intel  
Memory Size : 1024  
Memory manufactures : HP  
  
E:\JAVA PROGRAMS>_
```