OBJECT ORIENTED PROGRAMMING LAB

Experiment No.: 5

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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.

Procedure

```
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(50000);
Cpu.Processor i_processor = intel.new Processor(9, "SUMSUNG");
Cpu.Ram i_ram = new Ram(4908, "DELL");
intel.display();
i_processor.display();
i_ram.display();
}
}
```

Output screenshot

```
C:\Users\Student\Documents>path = "C:\Program Files\Java\jdk-10.0.1\bin"

C:\Users\Student\Documents>javac cpu.java

C:\Users\Student\Documents>java Cpu
Price of CPU : 50000
No of Cores : 9
Processor manufactures : SUMSUNG
Memory Size : 4908
Memory manufactures : DELL

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