OBJECT ORIENTED PROGRAMING LAB

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Batch : B

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Experiment No.: 6

Aim

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

Source Code

```
import java.util.*;
class CPU{
   double price;

   class Processor{
      double cores;
      String manufacturer;
   }
   static class RAM{
      static double memory;
      String manufacturer;
   }
}

public class Processing {
   public static void main(String[] args) {
      Scanner sc = new Scanner(System.in);
```

```
        CPU cpu = new CPU();
        CPU.Processor processor = cpu.new Processor();
        CPU.RAM ram = new CPU.RAM();
        System.out.println("\nCPU\n");
        System.out.println("Enter price: ");
        cpu.price = sc.nextDouble();

        System.out.println("\nCPU Processor\n");
        System.out.println("Enter the manufacturer: ");
        processor.manufacturer = sc.next();
        System.out.print("Enter the core: ");
        processor.cores = sc.nextDouble();

        System.out.println("\nCPU RAM\n");
        System.out.println("Enter the manufacturer: ");
        ram.manufacturer = sc.next();
        System.out.print("Enter the memory: ");
        CPU.RAM.memory = sc.nextDouble();

        System.out.println("\n\n***Details***\n");
        System.out.println("CPU Price = " + cpu.price);
        System.out.println("Processor core = " + processor.cores);
        System.out.println("Processor Manufacturer = " + processor.manufacturer);
        System.out.println("RAM memory = " + CPU.RAM.memory);
        System.out.println("RAM manufacturer = " + ram.manufacturer);
    }
}
```

Output Screenshot

```
D:\Swetha>java Processing

CPU

Enter price:
20

CPU Processor

Enter the manufacturer:
Dell
Enter the core: 2

CPU RAM

Enter the manufacturer:
Samsung
Enter the memory: 8


***Details***

CPU Price = 20.0
Processor core = 2.0
Processor Manufacturer = Dell
RAM memory = 8.0
RAM manufacturer = Samsung
```