

Program no-5

```
import java.util.Scanner;
```

```
class CPU
```

```
{  
    double price;  
    CPU(double price)  
    {  
        this.price = price;  
    }  
}
```

```
class Processor
```

```
{  
    int no_of_cores;  
    String manufacturer;  
    void processorDetails(Scanner read)  
    {  
        System.out.print("Enter no.of cores in  
processor:");  
no_of_cores = read.nextInt();  
read.nextLine();  
  
        System.out.print("Enter the manufacturer  
name:");  
  
        manufacturer = read.nextLine();  
    }  
}
```

```

void display()

{

System.out.println("Processor Details");

System.out.println("_____");

System.out.println("\nnextLineNo of Cores :
"+no_of_cores+"\nManufacturer :
"+manufacturer+"\n");

}

}

static class RAM
{
    int memory;
    String manufacturer;
    void ramDetails(Scanner read)
    {

System.out.print("Enter the size of
memory(in GB):");
memory = read.nextInt();

read.nextLine();

System.out.print("Enter the manufacturer
name:");

```

```
manufacturer = read.nextLine();
```

```
}
```

```
void display()
```

```
{
```

```
System.out.println("Memory Details");
```

```
System.out.println("_____");
```

```
System.out.println("\nMemory size :
```

```
" + memory + "GB\nManufacturer :
```

```
" + manufacturer + "\n");
```

```
}
```

```
}
```

```
}
```

```

public class DisplayCpuInformation
{
    public static void main(String args[])
    {
        Scanner read = new Scanner(System.in);
        System.out.print("\nEnter the price of the
cpu:");
        double price = read.nextDouble();
        CPU c1 = new CPU(price);
        CPU.Processor p1 = c1.new Processor();
        CPU.RAM r1=new CPU.RAM();

        p1.processorDetails(read);

        r1.ramDetails(read);

        p1.display();

        r1.display();

    }

}

```

Output:-

Enter the price of the cpu:15000

Enter no.of cores in processor:2

Enter the manufacturer name :intel

Enter the size of memory(in GB) :16

Enter the manufacturer name :intel

processorDetails

nextLineNo of Cores : 2

Manufacturer : intel

Memory Details

Memory size : 16GB

Manufacturer : intel