

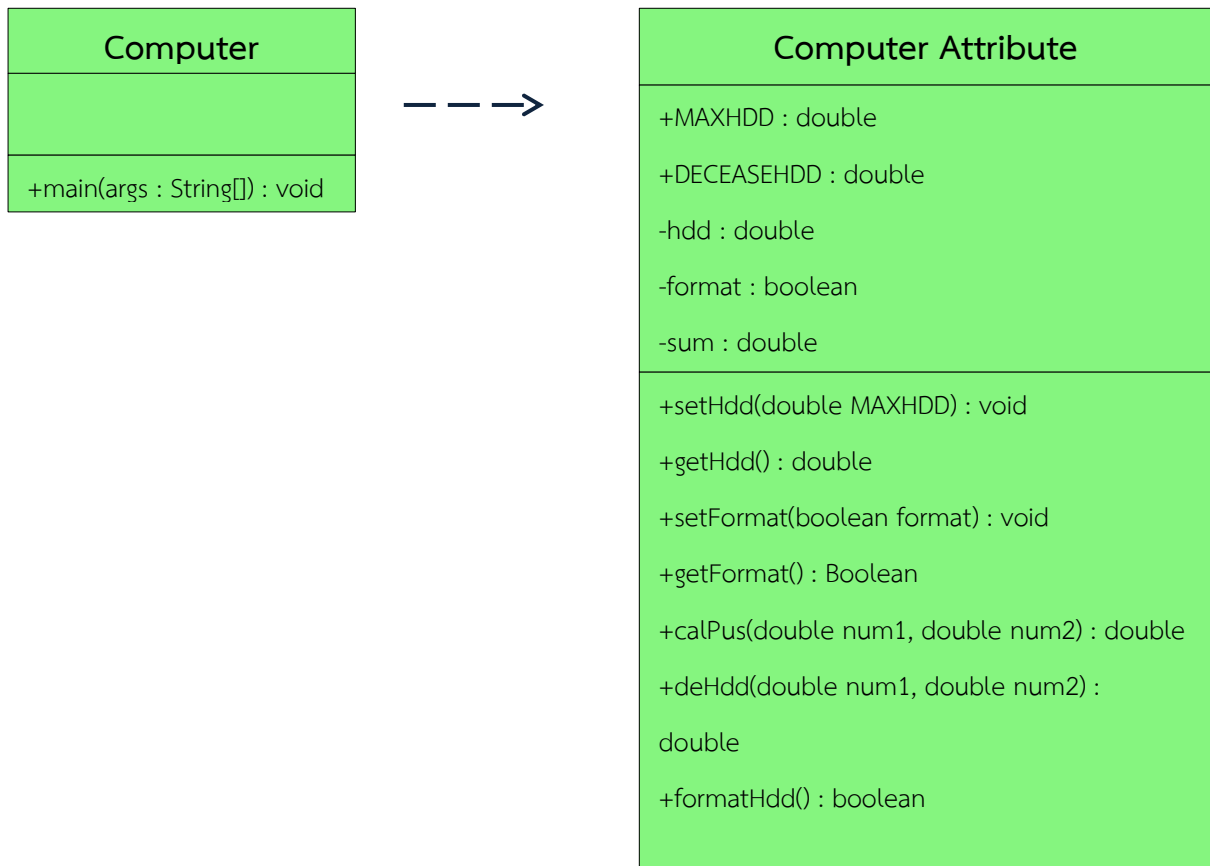
2.

2.1 จงเขียน UML เพื่อออกแบบคอมพิวเตอร์ โดยมีอย่างน้อย 3 attributes และ 3 method ไม่รวม getter/setter methods

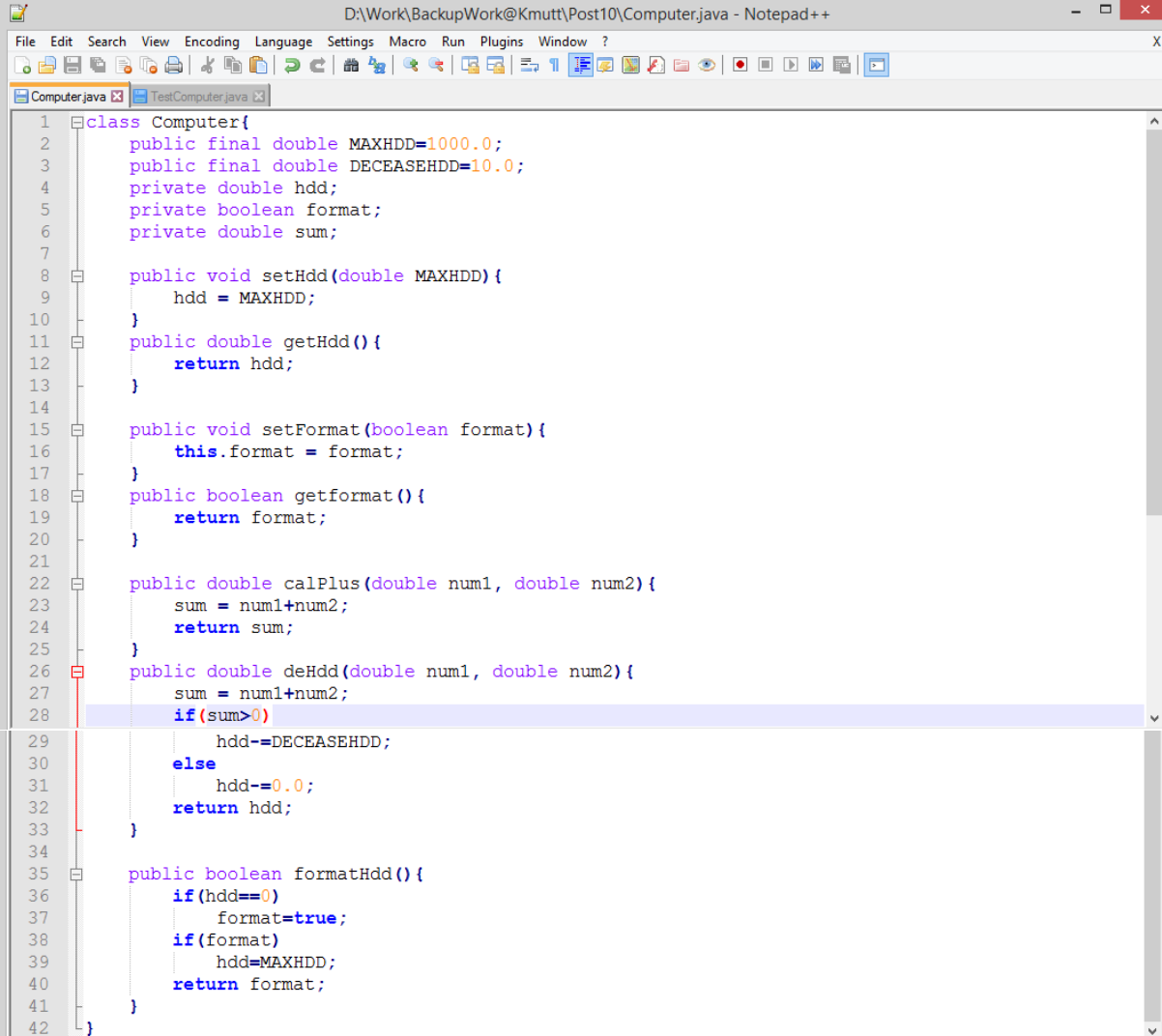
2.2 สร้าง Entity Class ที่ได้ออกแบบไว้ในข้อ 1.1 โดยจะ implement ในส่วนที่เป็น method หรือไม่ก็ได้

3.3 เขียน Driver Class ทดสอบการสร้าง Object และ getter/setter method ที่สร้างขึ้น

2.1 UML Diagrams

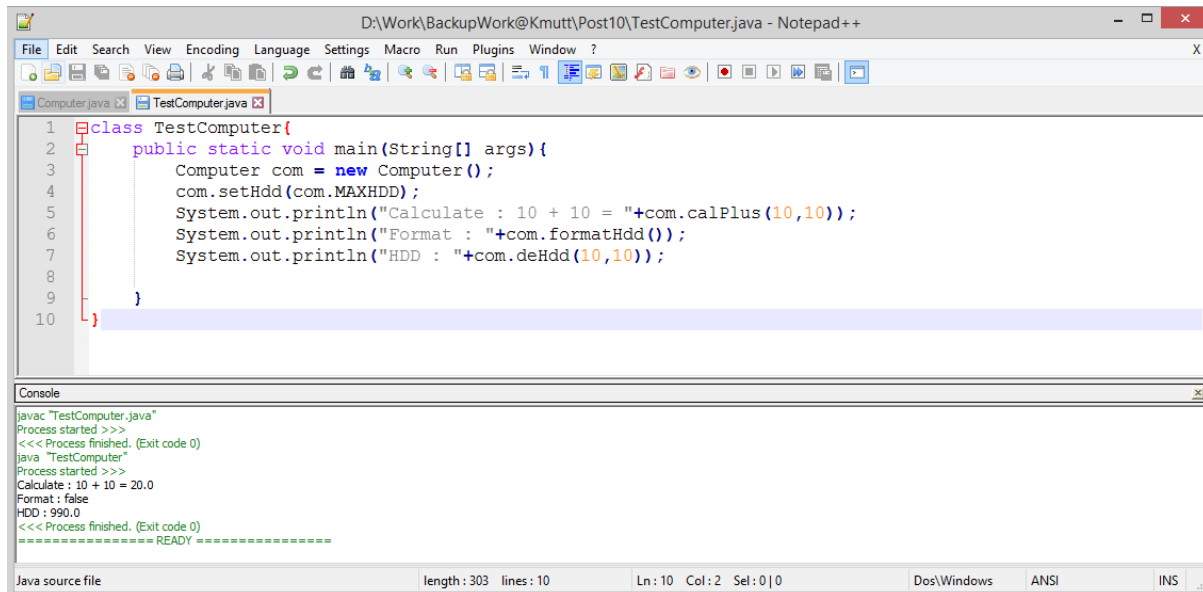


1.2 Entity Class



```
1 class Computer{
2     public final double MAXHDD=1000.0;
3     public final double DECEASEHDD=10.0;
4     private double hdd;
5     private boolean format;
6     private double sum;
7
8     public void setHdd(double MAXHDD){
9         hdd = MAXHDD;
10    }
11    public double getHdd(){
12        return hdd;
13    }
14
15    public void setFormat(boolean format){
16        this.format = format;
17    }
18    public boolean getformat(){
19        return format;
20    }
21
22    public double calPlus(double num1, double num2){
23        sum = num1+num2;
24        return sum;
25    }
26    public double deHdd(double num1, double num2){
27        sum = num1+num2;
28        if(sum>0)
29            hdd-=DECEASEHDD;
30        else
31            hdd-=0.0;
32        return hdd;
33    }
34
35    public boolean formatHdd(){
36        if(hdd==0)
37            format=true;
38        if(format)
39            hdd=MAXHDD;
40        return format;
41    }
42 }
```

1.3 Driver Class



The screenshot shows a Notepad++ window titled "D:\Work\BackupWork@Kmutt\Post10\TestComputer.java - Notepad++". The editor contains the following Java code:

```
1 class TestComputer{
2     public static void main(String[] args){
3         Computer com = new Computer();
4         com.setHdd(com.MAXHDD);
5         System.out.println("Calculate : 10 + 10 = "+com.calPlus(10,10));
6         System.out.println("Format : "+com.formatHdd());
7         System.out.println("HDD : "+com.deHdd(10,10));
8     }
9 }
10
```

Below the editor is a console window showing the execution output:

```
javac "TestComputer.java"
Process started >>>
<<< Process finished. (Exit code 0)
java "TestComputer"
Process started >>>
Calculate : 10 + 10 = 20.0
Format : false
HDD : 990.0
<<< Process finished. (Exit code 0)
===== READY =====
```

At the bottom of the window, a status bar displays: "Java source file", "length : 303", "lines : 10", "Ln : 10", "Col : 2", "Sel : 0 | 0", "Dos\Windows", "ANSI", and "INS".