

# Assignment 1: Class & multiple object creations

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Code:

```
class Box {
    double width;
    double height;
    double depth;
}

class BoxDemo2
{
    public static void main(String args[])
    {
        Box mybox1 = new Box();
        Box mybox2 = new Box();
        Box mybox3= new Box();
        double vol;

        mybox1.width = 10;
        mybox1.height = 20;
        mybox1.depth = 15;

        mybox2.width = 3;
        mybox2.height = 6;
        mybox2.depth = 9;

        mybox3.width = 1;
        mybox3.height = 2;
        mybox3.depth = 3;

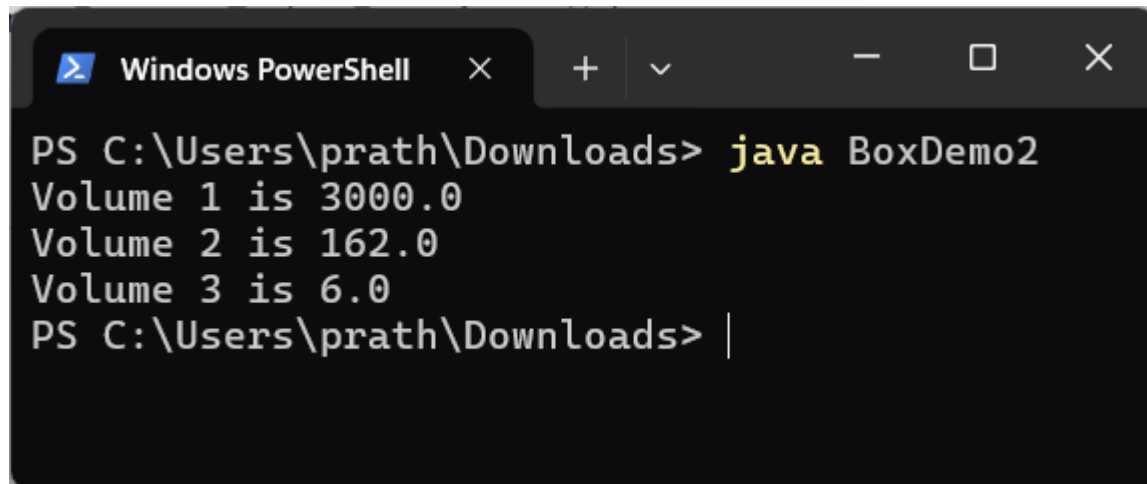
        double vol1= mybox1.width * mybox1.height * mybox1.depth;
        System.out.println("Volume 1 is " + vol1);

        double vol2= mybox2.width * mybox2.height * mybox2.depth;
        System.out.println("Volume 2 is " + vol2);

        double vol3= mybox3.width * mybox3.height * mybox3.depth;
        System.out.println("Volume 3 is " + vol3);

    }
}
```

Output:



```
Windows PowerShell
PS C:\Users\prath\Downloads> java BoxDemo2
Volume 1 is 3000.0
Volume 2 is 162.0
Volume 3 is 6.0
PS C:\Users\prath\Downloads> |
```

The image shows a Windows PowerShell terminal window. The title bar at the top reads "Windows PowerShell" with standard window controls (close, maximize, minimize). The command prompt shows the user is in the directory "C:\Users\prath\Downloads". They have entered the command "java BoxDemo2". The program has executed and produced three lines of output: "Volume 1 is 3000.0", "Volume 2 is 162.0", and "Volume 3 is 6.0". The prompt is now ready for the next command, indicated by a vertical bar.