

Assignment 2:Returning objects

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Code:

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

    double volume() {
        return width * height * depth;
    }
}

class BoxDemo4 {
    public static void main(String args[]) {
        Box mybox1 = new Box();
        Box mybox2 = new Box();
        double vol;

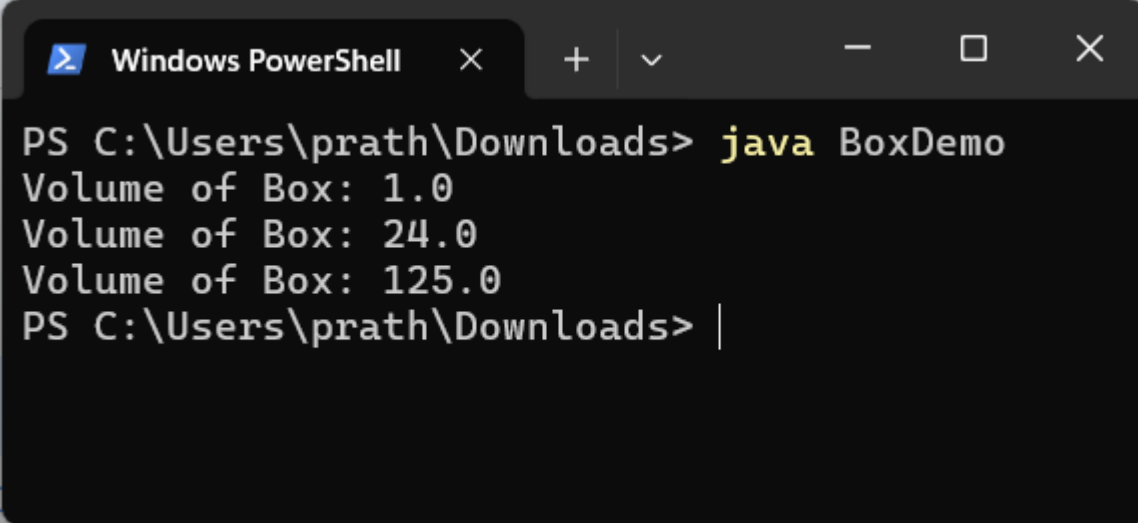
        mybox1.width = 10;
        mybox1.height = 20;
        mybox1.depth = 15;

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

        vol = mybox1.volume();
        System.out.println("Volume is " + vol);

        vol = mybox2.volume();
        System.out.println("Volume is " + vol);
    }
}
```

Output



```
Windows PowerShell
PS C:\Users\prath\Downloads> java BoxDemo
Volume of Box: 1.0
Volume of Box: 24.0
Volume of Box: 125.0
PS C:\Users\prath\Downloads> |
```

The image shows a Windows PowerShell terminal window with a dark background. The title bar at the top reads "Windows PowerShell" and includes standard window controls (minimize, maximize, close). The command prompt shows the user is in the directory "C:\Users\prath\Downloads". The command "java BoxDemo" has been executed, resulting in three lines of output: "Volume of Box: 1.0", "Volume of Box: 24.0", and "Volume of Box: 125.0". The prompt is now ready for the next command, indicated by a vertical bar.