

Assignment 1:program on 'this' keyword

Code:

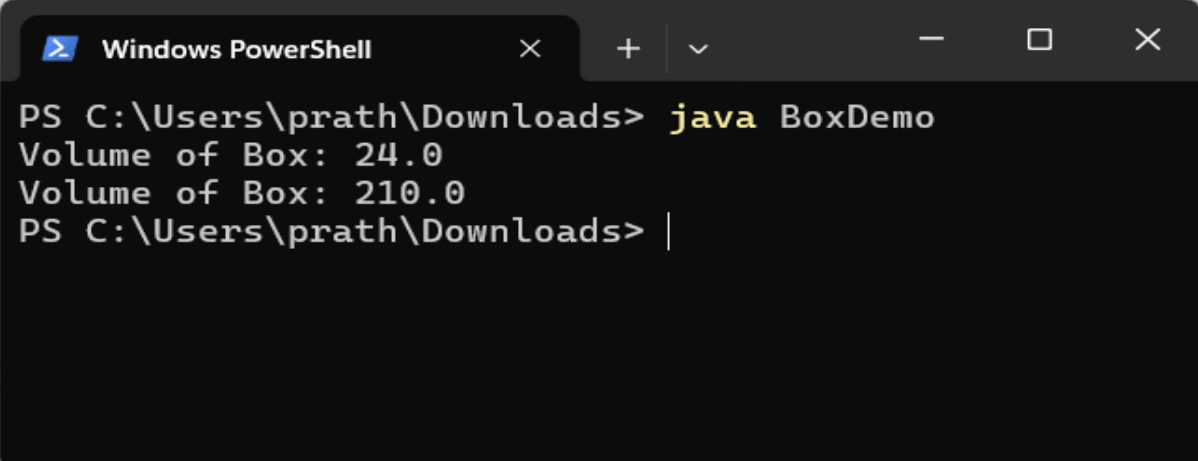
```
class Box {
    double width;
    double height;
    double depth;

    Box(double width, double height, double depth)
    {
        this.width = width;
        this.height = height;
        this.depth = depth;
    }

    void printVolume() {
        double vol = width * height * depth;
        System.out.println("Volume of Box: " + vol);
    }
}

class BoxDemo {
    public static void main(String args[])
    {
        Box b1 = new Box(2, 3, 4);
        Box b2 = new Box(5, 6, 7);
        b1.printVolume();
        b2.printVolume();
    }
}
```

Output:

A screenshot of a Windows PowerShell terminal window. The title bar shows 'Windows PowerShell' with standard window controls. The terminal content shows the command 'java BoxDemo' being executed in the directory 'C:\Users\prath\Downloads'. The output consists of two lines: 'Volume of Box: 24.0' and 'Volume of Box: 210.0'. The prompt 'PS C:\Users\prath\Downloads>' is visible at the end of the second line.

```
PS C:\Users\prath\Downloads> java BoxDemo
Volume of Box: 24.0
Volume of Box: 210.0
PS C:\Users\prath\Downloads> |
```