Assignment 1:Methods : a) use with or without return types. b) passing parameters

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a) use with or without return types:

Code:

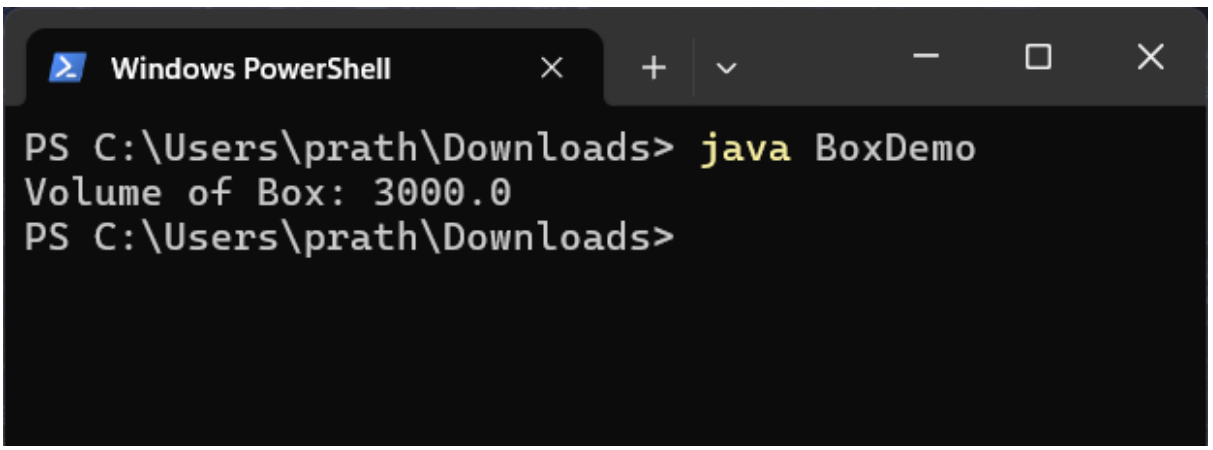
```
class Box {
    double width;
    double height;
    double depth;

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

class BoxDemo {
    public static void main(String args[]) {
        Box b1 = new Box();
        b1.width = 10;
        b1.height = 20;
        b1.depth = 15;

        double vol = b1.volume();
        System.out.println("Volume of Box: " + vol);
    }
}
```

Output:



b) Passing parameters:

Code:

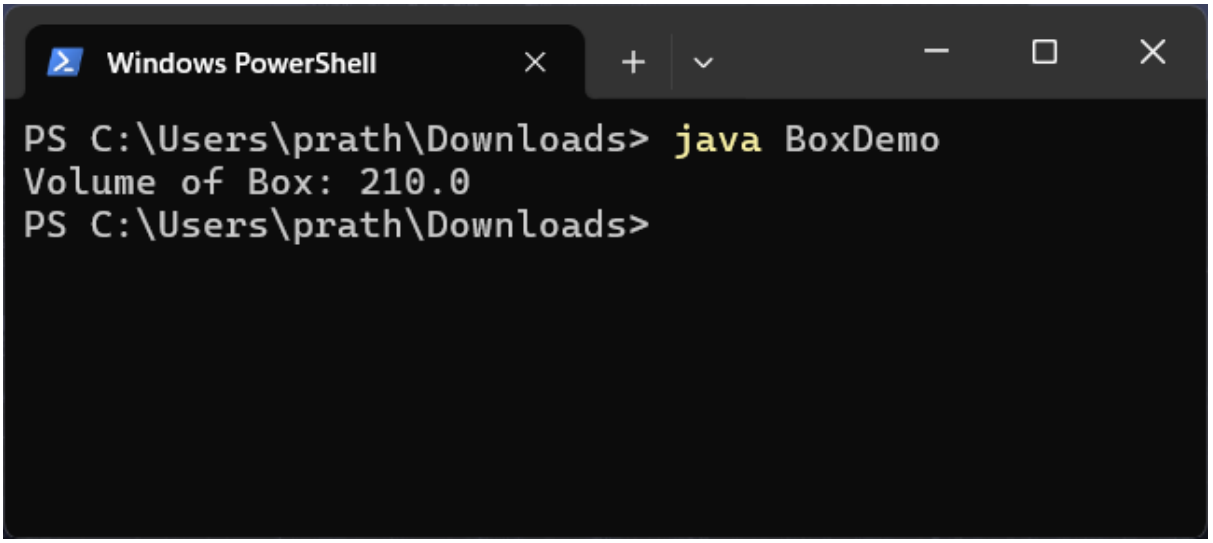
```
class Box {
    double width;
    double height;
    double depth;

    // method without return type (just prints result)
    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();
        b1.width = 5;
        b1.height = 6;
        b1.depth = 7;

        b1.printVolume();   // method only prints, no return
    }
}
```

Output:



Assignment 1:Methods :b) passing parameters

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Code:

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

    void setDimensions(double w, double h, double d) {
        width = w;
        height = h;
        depth = d;
    }

    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();
        b1.setDimensions(2, 3, 4);
        b1.printVolume();
    }
}
```

Output: