

Name:Rasal Pallavi Sampat

Roll No:TE22122

Class:TEENTC

Subject:FJP

Title:METHOD AND CONSTRUCTOR OVERLOADING

Write a program in java to demonstrate the method and constructor overloading

```
package practical1;
import java.util.Scanner;
public class Box {double width,height ,depth;
public Box(double w, double h, double d) {
    // TODO Auto-generated constructor stub

    width=w;
    height=h;
    depth=d;
}
Box(){

    width=10;
    height=20;
    depth=30;

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

    public static void main(String[] args) {

        Box mybox1=new Box(5,10,15);
        Box mybox2=new Box();
        Box mycube=new Box(5);
        double vol;
        vol=mybox1.volume();
        System.out.println("volume of mybox1 is"+vol);
        vol=mybox2.volume();
```

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

Output:

```
volume of mybox1 is750.0  
volume of mybox2 is6000.0  
volume of mycube is125.0
```