

Lab Session 07-06-2023

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Java-OOP

```
//Abstract class
package com.mycompany.lab_7_6;

public abstract class Container {
    public abstract double volume();
}

//CilyndricalContainer
package com.mycompany.lab_7_6;

public class CylindricalContainer extends Container{
    private double height, radious;

    public CylindricalContainer(double h, double r) {
        height = h;
        radious = r;
    }

    public double volume(){
        return Math.PI*height*radious*radious;
    }
}

//Main
package com.mycompany.lab_7_6;

public class Lab_7_6 {
    public static void main(String[] args) {
        Container c2=new CylindricalContainer(5,7);
        System.out.println("Volume is "+c2.volume());
    }
}
```