

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, raiious;
```

```
    public CylindricalContainer(double h, double r) {
```

```
        height = h;
```

```
        raiious = r;
```

```
}
```

```
    public double volume(){
```

```
        return Math.PI*height*raiious*raiious;
```

```
}
```

```
}
```

//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());
```

```
    }
```

```
}
```