

```

package com.mycompany.cylinderexamplee;
public class CylinderExamplee
{
    public static void main(String[] args)
    {
        CylindricalContainer c = new CylindricalContainer();
        c.setHeight(5.0);
        c.setRadius(7.0);

        double volume = c.calculateVolume();
        System.out.println("Volume is "+volume);
    }
}

```

```

package com.mycompany.cylinderexamplee;
public abstract class Container
{
    private double height;
    private double radius;

    public abstract double calculateVolume();

    public void setHeight(double height)
    {
        this.height=height;
    }
    public void setRadius(double radius)
    {
        this.radius=radius;
    }
    public double getHeight()
    {
        return height;
    }
    public double getRadius()
    {
        return radius;
    }
}

```

```

package com.mycompany.cylinderexamplee;
public class CylindricalContainer extends Container
{
    @Override
    public double calculateVolume()
    {
        double volume=Math.PI*getRadius()*getRadius()*getHeight();
        return volume;
    }
}

```