

```
package com.mycompany.containerobj;

public abstract class Container
{
    private double Height;
    private double Radius;

    public Container(double Height,double Radius)

    {
        this.Height = Height;
        this.Radius = Radius;
    }

    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;
    }
}
```

```
    public abstract double calculatevolume();  
}
```

```
package com.mycompany.containerobj;  
  
public class CylinderContainer extends Container  
{  
    public CylinderContainer(double Height, double Radius)  
    {  
        super(Height, Radius);  
    }  
}
```

```
@Override  
public double calculatevolume()  
{  
    double calculatevolume = Math.PI *getRadius()*getRadius()*getHeight();  
    return calculatevolume;  
}  
}
```

```
package com.mycompany.containerobj;  
  
public class Containerobj  
{  
  
    public static void main(String[] args)  
    {  
        CylinderContainer c=new CylinderContainer(7,5);  
        double calculatevolume=c.calculatevolume();  
  
        System.out.println("Volume is :"+calculatevolume);  
    }  
}
```

}

}