package com.mycompany.cylinderexamplee;

public class CylinderExamplee

{

public static void main(String[] args)

{

CylindaricalContainer c = new CylindaricalContainer();

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 CylindaricalContainer extends Container

{

@Override

public double calculateVolume()

{

double volume=Math.PI\*getRadius()\*getRadius()\*getHeight();

return volume;

}

}