```java
//if a class is an abstract at least there should be one abstract method
public abstract class Container
{
    public abstract double volume();
}
```

```java
public class CylindricalContainer extends Container
{
    private double height,radius;
    public CylindricalContainer(double height,double radius)
    {
        this.height=height;
        this.radius=radius;
    }
    public double volume()
    {
        return 3.1459f*radius*radius*height;
    }
}
```

```java
public class Mavenproject14 {

    public static void main(String[] args)
    {
        CylindricalContainer c = new CylindricalContainer(8.75,12.50);
        System.out.println(" Volume of the cylinder is "+c.volume());
    }
}
```