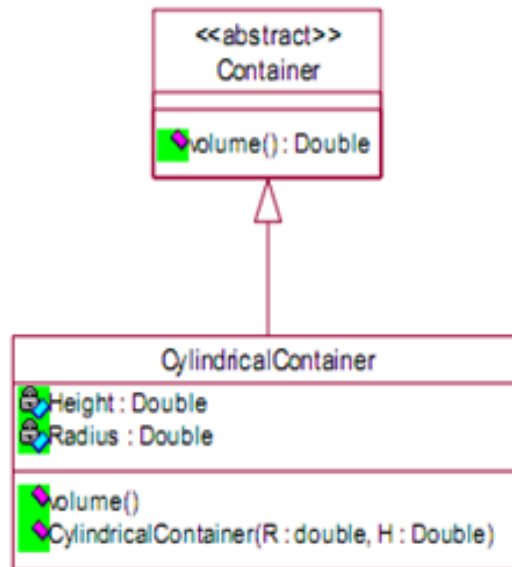


Abstract class and abstract methods



The Volume of a Cylinder can be found with the following formula:
 $\text{Volume} = \text{PI} * \text{Radius} * \text{Radius} * \text{Height}$ where $\text{PI} = 3.14159$

It is required to map the above class diagram to Java code.

Note : Container is an abstract class.
Height & Radius are private variables
All the methods are public

- (i) Write down the Java definition of class container
- (ii) Write the Java Definition of class CylindricalContainer. (Implement the Methods)
- (iii) Create an object from CylindricalContainer and display the volume.