

## **Practical-09**

**1.**

### **Main class**

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

### **Container class**

```
abstract class Container  
{  
    abstract double volume();  
}
```

### **CylindricalContainer class**

```
public class CylindricalContainer extends Container{  
    private double height,radius;  
    public CylindricalContainer(double h,double r)  
    { height=h;  
        radius=r;  
    }  
    public double volume()  
    {  
        return 3.14159f*radius*radius*height;  
    }  
}
```