**public** **class** Cylinder {

**double** radius;

**double** height;

Square data = **new** Square();

**public** **double** getRadius() {

**return** radius;

}

**public** **void** setRadius(**double** radius) {

**this**.radius = radius;

}

**public** **double** getHeight() {

**return** height;

}

**public** **void** setHeight(**double** height) {

**this**.height = height;

}

**public** **double** calculateVolume() {

//int value=7;

//value++;

//value=value-8;

**return** 3.142\***this**.radius\***this**.radius\***this**.height;

}

}

**public** **class** CylinderClient {

**public** **static** **void** main(String[] args) {

Cylinder C1 = **new** Cylinder();

C1.setRadius(3.5);

C1.setHeight(5);

System.***out***.println(C1.calculateVolume());

}

}

**class** CylinderTest {

Cylinder C2=**new** Cylinder();

@Test

**void** testGetRadius() {

C2.setRadius(6);

*assertEquals*(6,C2.getRadius());

}

@Test

**void** testCalculateVolume() {

C2.setRadius(3.5);

C2.setHeight(5);

*assertEquals*(192.4475,C2.calculateVolume());

}

}