import java.util.Scanner;

class Volume {

double vol, a, b, c;

// volume of cube

void findVolume(double a) {

System.out.println("Volume of cube = " + (a \* a \* a));

}

// volume of rectangular box

void findVolume(double a, double b, double c) {

System.out.println("Volume of rectangular box = " + (a \* b \* c));

}

// volume of cylinder

void findVolume(double a, double b) {

System.out.println("Volume of cylinder = " + (3.14 \* a \* a \* b));

}

}

class VolumeMain {

public static void main(String args[]) {

double a, b, c;

// Scanner class object to read input values

Scanner s = new Scanner(System.in);

// object of Volume class to call methods

Volume obj = new Volume();

// read sides / length,breadth / radius, height from user

// call findVolume() with parameters

System.out.print("Enter the side of cube : ");

a = s.nextDouble();

obj.findVolume(a);

System.out.print("Enter the length, width and height of the rectangular box : ");

a = s.nextDouble();

b = s.nextDouble();

c = s.nextDouble();

obj.findVolume(a, b, c);

System.out.print("Enter the radius and height of the cylinder : ");

a = s.nextDouble();

b = s.nextDouble();

obj.findVolume(a, b);

}

}