Create a java program to construct the volume of Box using default constructor method.

CODE:

import java.util.Scanner;

class Box {

double length;

double width;

double height;

// Default constructor

public Box() {

length = 0.0;

width = 0.0;

height = 0.0;

}

// Method to calculate volume

public double calculateVolume() {

return length \* width \* height;

}

}

public class BOX1 {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

// Create a box object using default constructor

Box box = new Box();

// Input dimensions of the box

System.out.print("Enter length of the box: ");

box.length = scanner.nextDouble();

System.out.print("Enter width of the box: ");

box.width = scanner.nextDouble();

System.out.print("Enter height of the box: ");

box.height = scanner.nextDouble();

// Calculate and display volume

double volume = box.calculateVolume();

System.out.println("Volume of the box: " + volume);

scanner.close(); // Closing the scanner object

}

}

OUTPUT:

C:\javap>javac BOX1.java

C:\javap>java BOX1

Enter length of the box: 9

Enter width of the box: 4

Enter height of the box: 7

Volume of the box: 252.0

