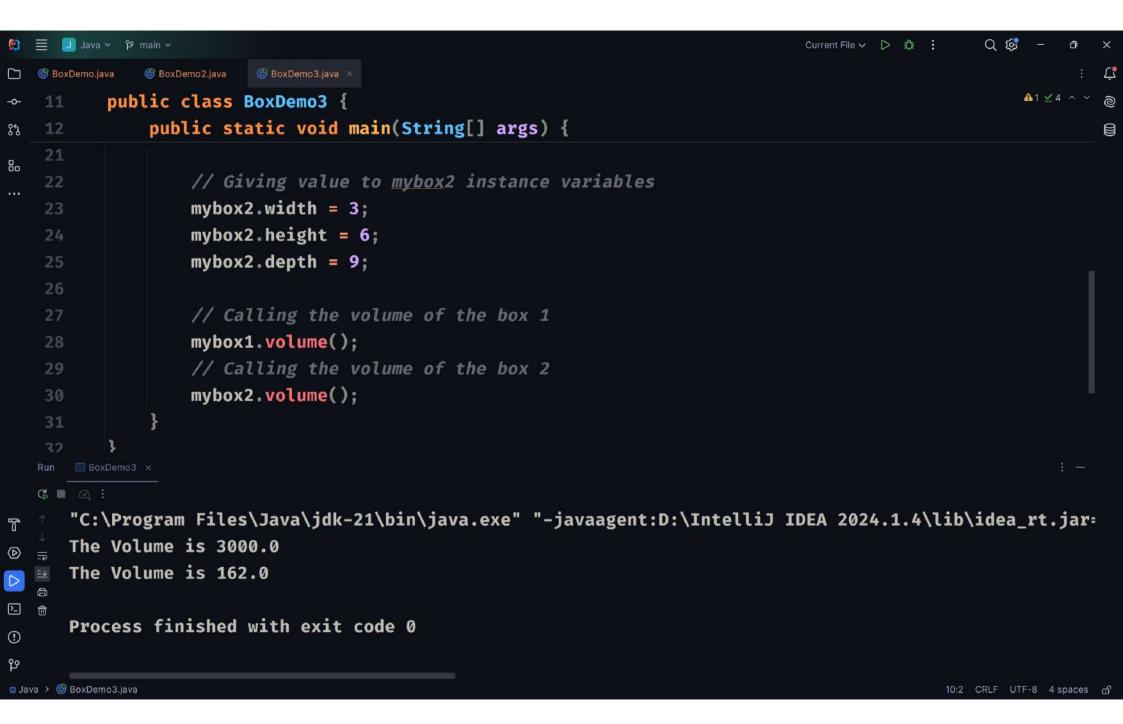
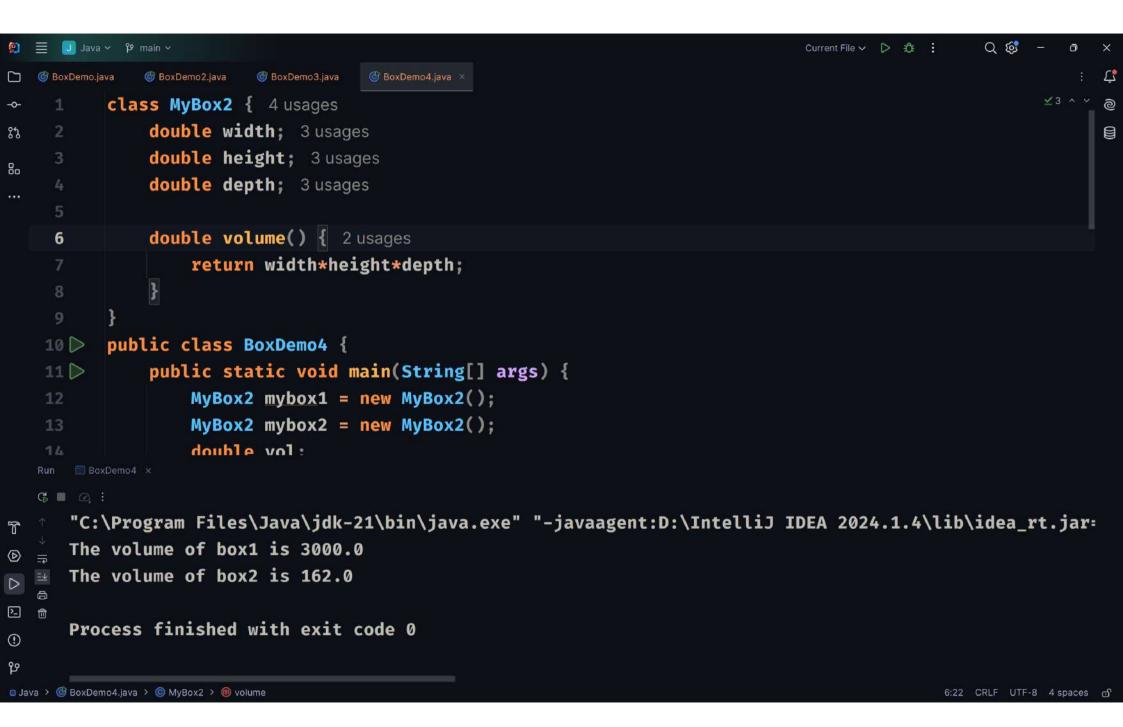
```
Current File ✓ ▷ 🏗 :
                                                                                                    Q 6
  class Box { // 2310080053 2 usages
4
              double width; 2 usages
१५
                                                                                                                double height; 2 usages
80
              double depth; 2 usages
    7 >
          public class BoxDemo {
    8 >
              public static void main(String[] args) {
                  Box myBox = new Box();
                  double vol;
   11
                  // Giving value to myBox instance variables
   12
                  myBox.width = 10;
   13
                  myBox.height = 20;
                  myBox.depth = 15;
   15
                  // Finding the volume of the box
   17
  Run
  G 🔳 🙉 :
      "C:\Program Files\Java\jdk-21\bin\java.exe" "-javaagent:D:\IntelliJ IDEA 2024.1.4\lib\idea_rt.jar=
      The volum of box is 3000.0
① =
29
     BoxDemo.java > Box > 0 depth
                                                                                                4:18 CRLF UTF-8 4 spaces d
```

```
Q 65
     Java ∨
                                                                                    Current File ✓ ▷ :Ô: :

⊗ BoxDemo2.java ×

   @ BoxDemo.java
          class MyBox { 4 usages
               double width; 4 usages
१५
                                                                                                                    double height; 4 usages
80
               double depth; 4 usages
    7 >
          public class BoxDemo2 {
    8 >
               public static void main(String[] args) {
                   MyBox mybox1 = new MyBox();
                   MyBox mybox2 = new MyBox();
    10
                   double vol;
   11
   12
                   // Giving value to mybox1 instance variables
   13
                   mybox1.width = 10;
   G . .
      "C:\Program Files\Java\jdk-21\bin\java.exe" "-javaagent:D:\IntelliJ IDEA 2024.1.4\lib\idea_rt.jar=
      The volume of box1 is 3000.0
(D)
      The volume of box1 is 162.0
  业
   2
      Process finished with exit code 0
①
29
     BoxDemo2.java > BoxDemo2 > main
                                                                                                   10:14 CRLF UTF-8 4 spaces
```

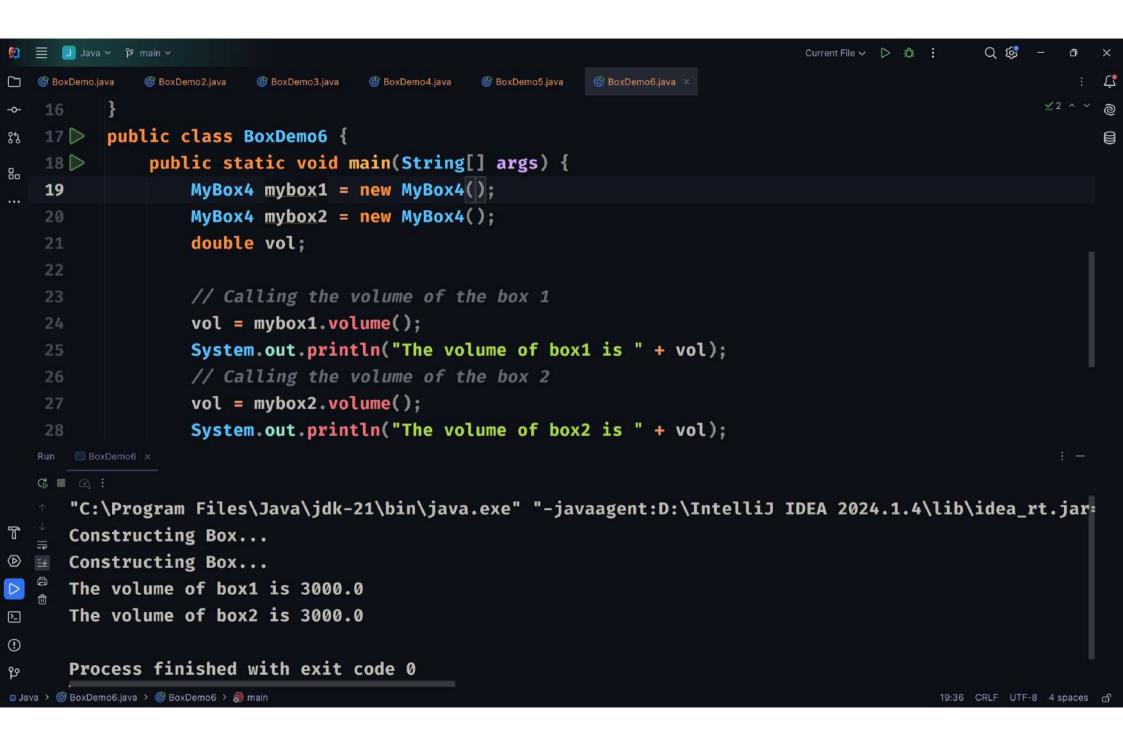




```
Q 65
                                                                                      Current File ✓ ▷ :Ĉŧ :

₭ BoxDemo2.java

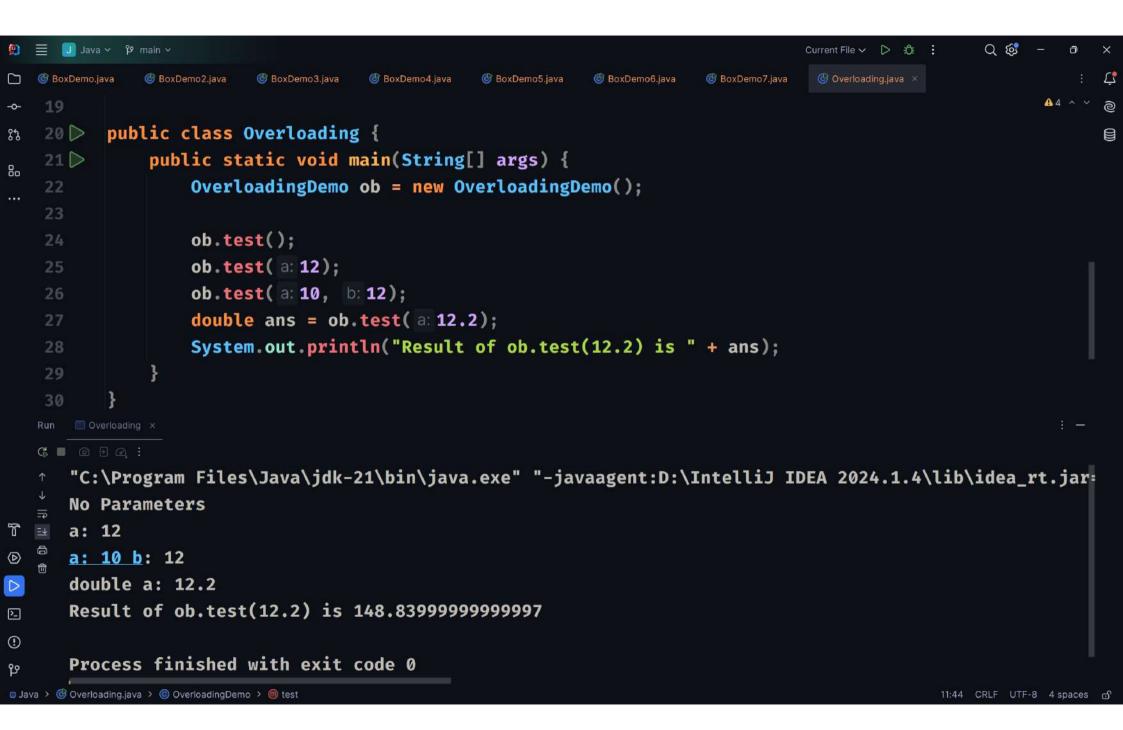
                          @ BoxDemo3.java
                                       BoxDemo4.java
                                                   BoxDemo5.java
          class MyBox3 { 4 usages
               double width; 2 usages
१५
                                                                                                                     double height; 2 usages
80
               double depth; 2 usages
               double volume() { 2 usages
                   return width*height*depth;
               void setDim(double w, double h, double d) { 2 usages
                   width = w:
                   height = h;
   11
                   depth = d;
   12
   13
    14
          public class BoxDemo5 {
   G 🖩 🕜 :
      "C:\Program Files\Java\jdk-21\bin\java.exe" "-javaagent:D:\IntelliJ IDEA 2024.1.4\lib\idea_rt.jar=
      The volume of box1 is 3000.0
2
      The volume of box2 is 162.0
①
  6
      Process finished with exit code 0
                                                                                                     14:2 CRLF UTF-8 4 spaces d
```



```
Q 65
                                                                                     Current File ✓ ▷ :0: :
              BoxDemo2.java
                          @ BoxDemo3.java

    ⊕ BoxDemo7.iava ×

   @ BoxDemo.java
                                      BoxDemo4.iava
                                                  BoxDemo5.java
                                                              @ BoxDemo6.java
          class MyBox5 { 4 usages
               MyBox5(double w, double h, double d) { 2 usages
१५
                   width = w:
80
                   height = h;
                   depth = d;
               double volume() { 2 usages
                   return width*height*depth;
   11
   12
   13
          public class BoxDemo7 {
   14
   15
               public static void main(String[] args) {
                   MyBox5 mybox1 = new MyBox5( w: 10, h: 20, d: 15);
   16
                   MyBox5 mybox2 = new MyBox5(w: 2, h: 6, d: 9);
    17
                   dauble val.
   G . .
      "C:\Program Files\Java\jdk-21\bin\java.exe" "-javaagent:D:\IntelliJ IDEA 2024.1.4\lib\idea_rt.jar=
(D)
      The volume of box1 is 3000.0
      The volume of box2 is 108.0
2
  a
      Process finished with exit code 0
     16:48 CRLF UTF-8 4 spaces നി
```



```
Java ∨ ⁰ main ∨
                                                                                        Current File V D :
                                                                                                            Q 65
                                                                                                  ConstructorOverloading.iava ×
emo.java
          BoxDemo2.java
                       BoxDemo3.java
                                   BoxDemo4.java
                                               BoxDemo5.java
                                                            BoxDemo6.java
                                                                        @ BoxDemo7.java
                                                                                     @ Overloading.java
    24
    25 >
          public class ConstructorOverloading {
१५
    26
               public static void main(String[] args) {
                    ConsOverloadingDemo mybox1 = new ConsOverloadingDemo( width: 10, height: 20, depth: 15);
    27
                    ConsOverloadingDemo mybox2 = new ConsOverloadingDemo();
    28
                    ConsOverloadingDemo mybox3 = new ConsOverloadingDemo(len: 10);
    29
                    double vol;
                    //Volume of first box
    31
                    vol = mybox1.volume():
    32
                    System.out.println("The Volume of box 1 is " + vol);
    33
                    //Volume of Second box
                    vol = mybox2.volume();
                    System.out.println("The Volume of box 2 is " + vol);
    36
                    //Volume of Third box
    37
   G 🔳 🙉 :
       "C:\Program Files\Java\jdk-21\bin\java.exe" "-javaagent:D:\IntelliJ IDEA 2024.1.4\lib\idea_rt.jar=
      The Volume of box 1 is 3000.0
(D)
      The Volume of box 2 is -1.0
D
      The Volume of box 3 is 1000.0
2
①
      Process finished with exit code 0
      🕲 ConstructorOverloading.java 🗦 🔞 ConstructorOverloading 🗦 🔊 main
                                                                                                       29:66 CRLF UTF-8 4 spaces ரி
```