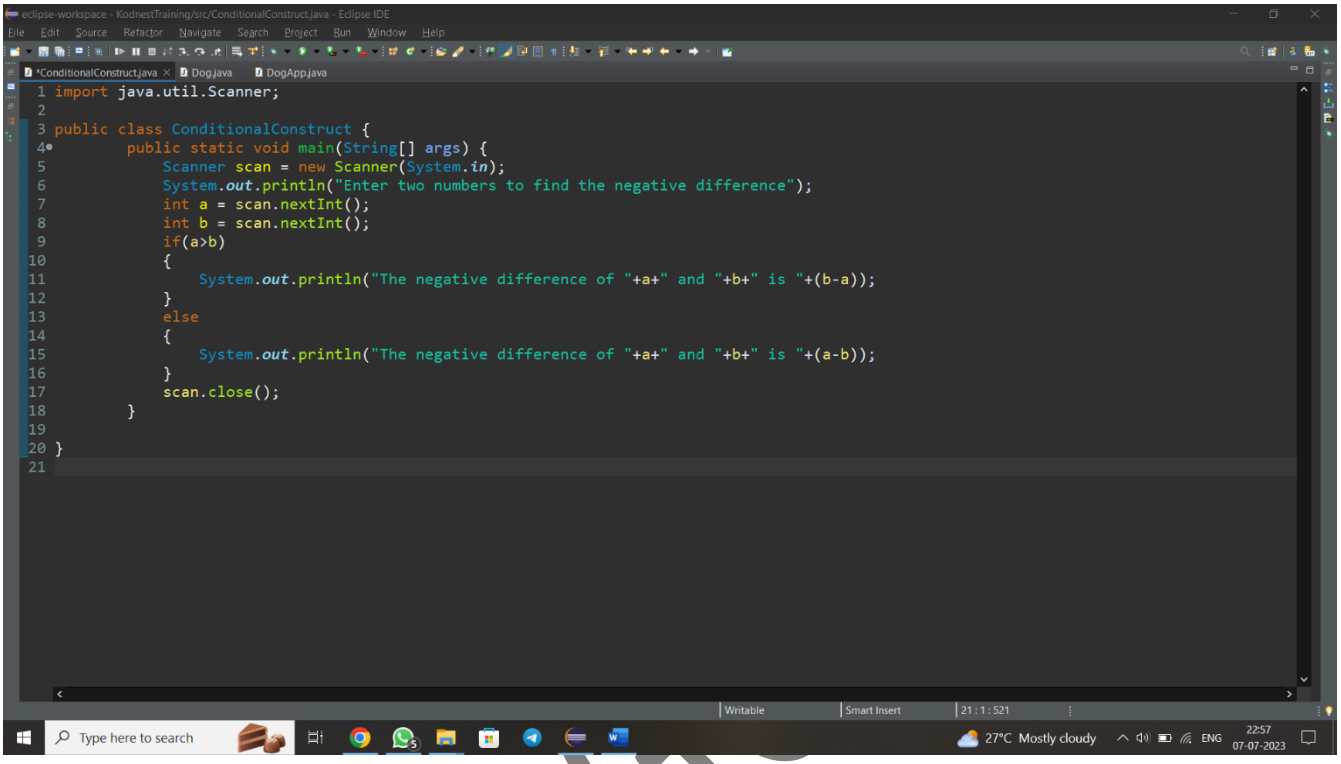
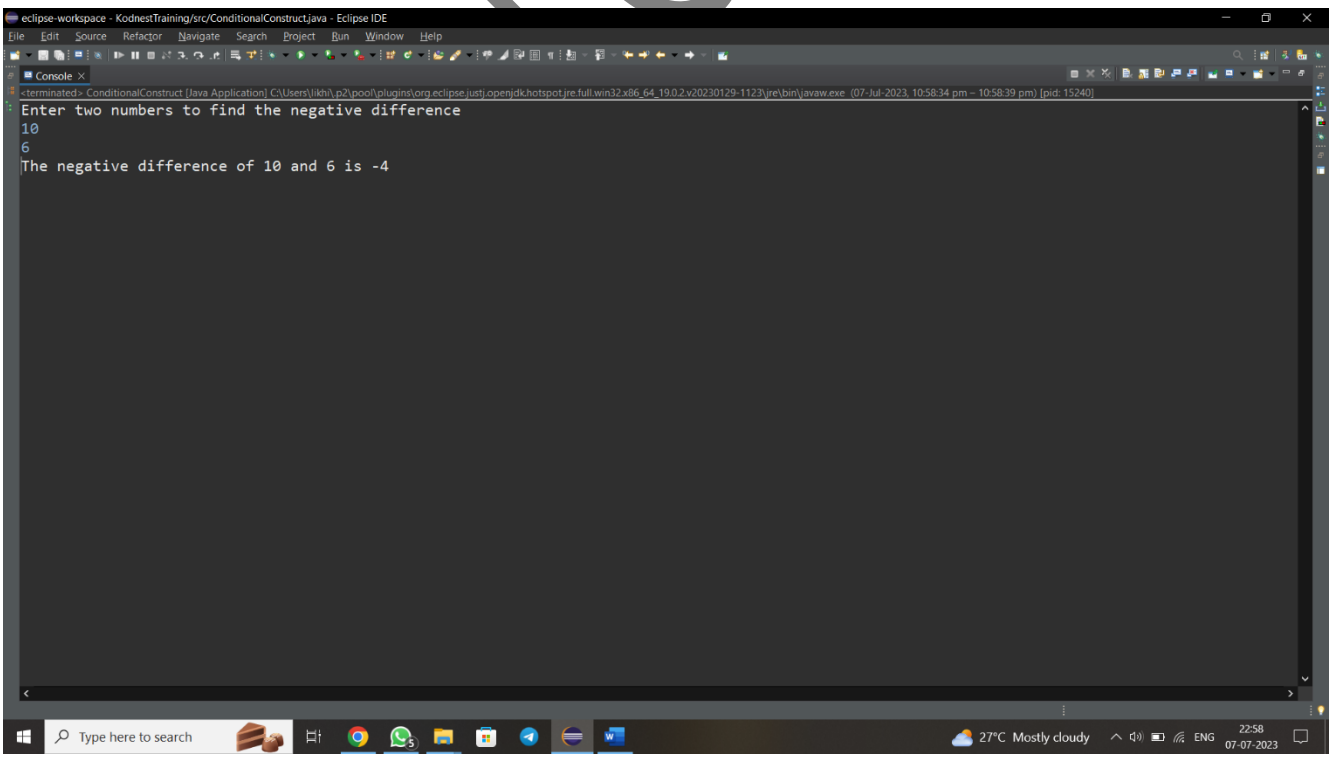
Write a java program to find the difference of 2 number. The result should always be negative

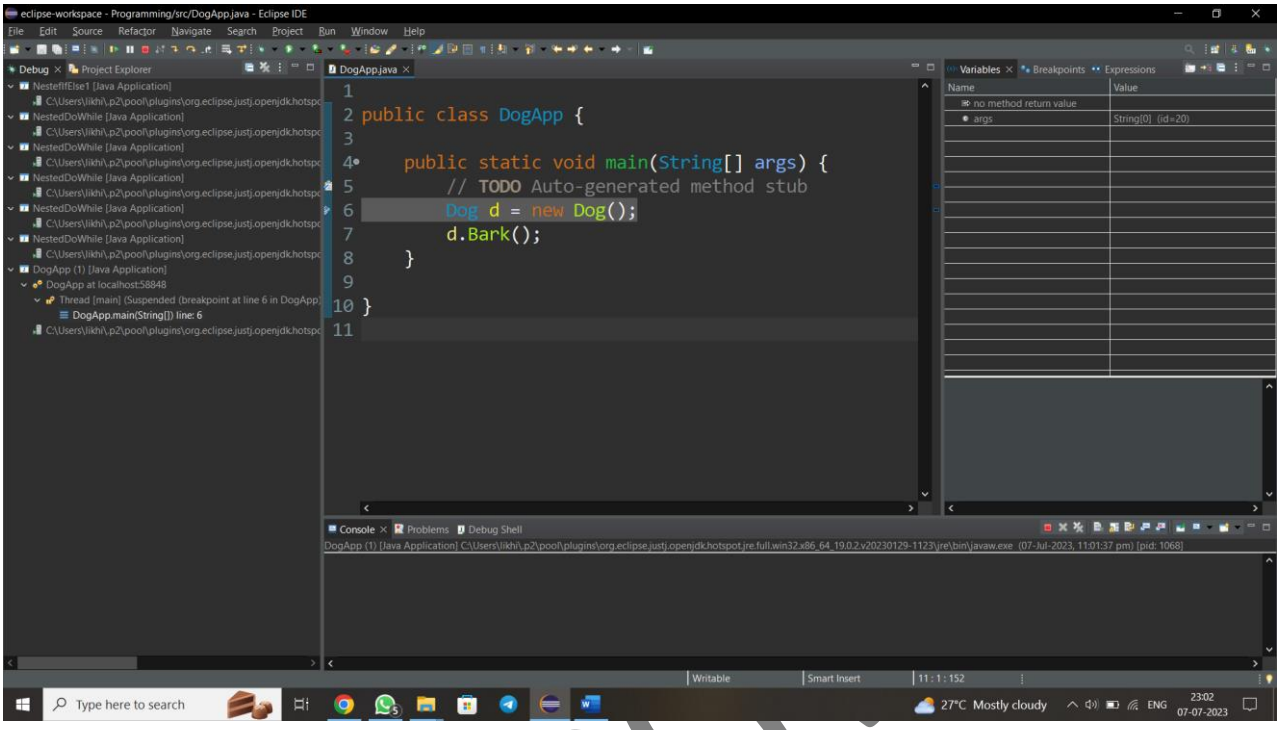


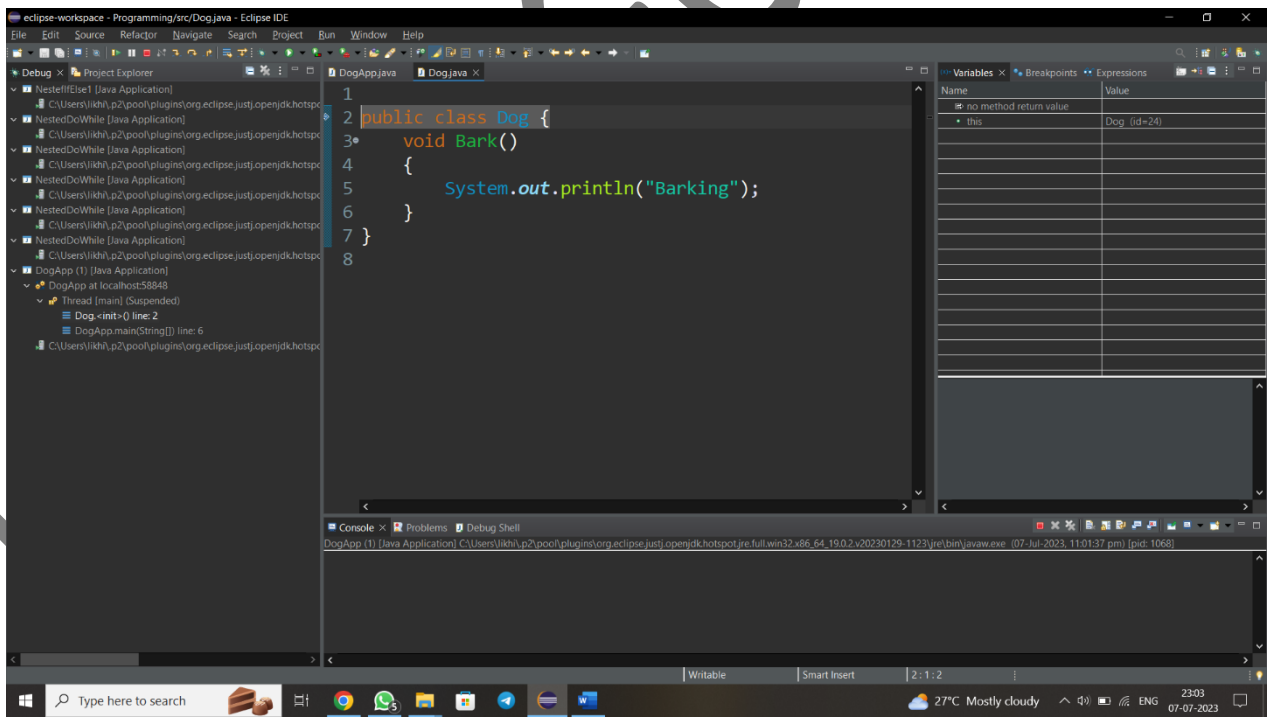
```java
import java.util.Scanner;

public class ConditionalConstruct {
        public static void main(String[] args) {
            Scanner scan = new Scanner(System.in);
            System.out.println("Enter two numbers to find the negative difference");
            int a = scan.nextInt();
            int b = scan.nextInt();
            if(a>b)
            {
                System.out.println("The negative difference of "+a+" and "+b+" is "+(b-a));
            }
            else
            {
                System.out.println("The negative difference of "+a+" and "+b+" is "+(a-b));
            }
            scan.close();
        }

}
```

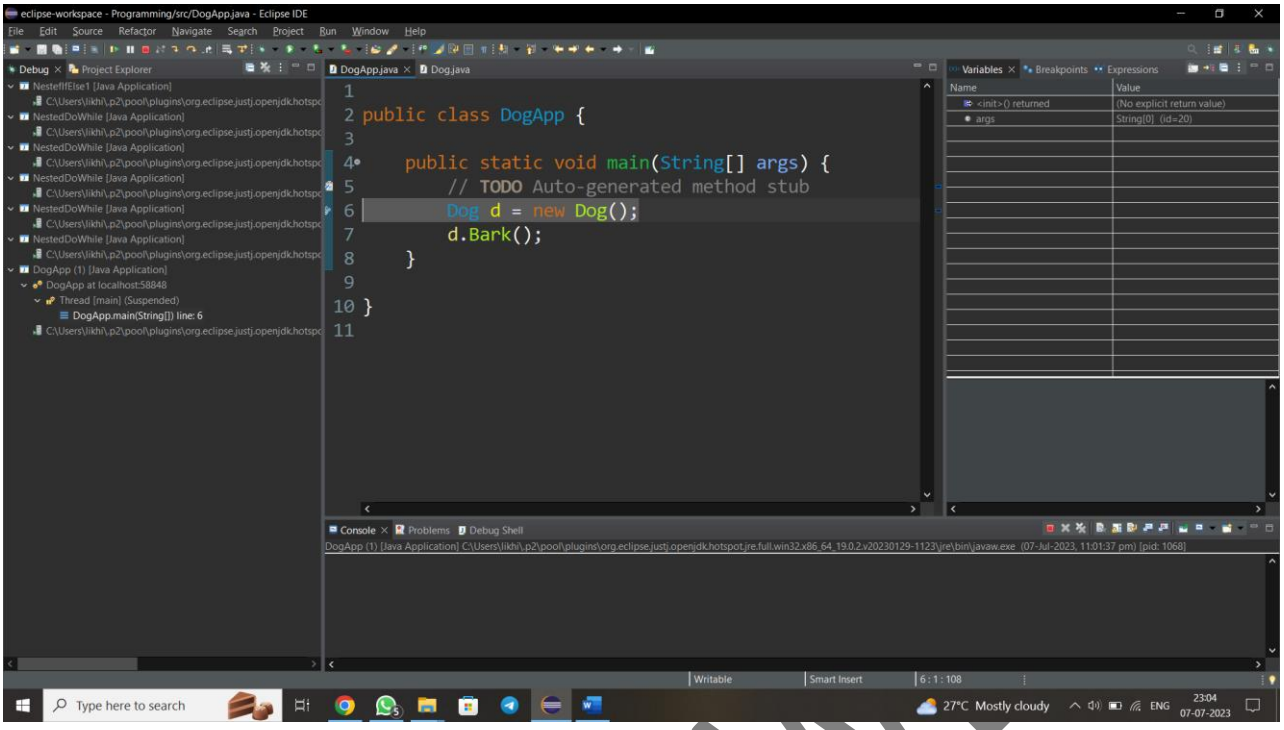


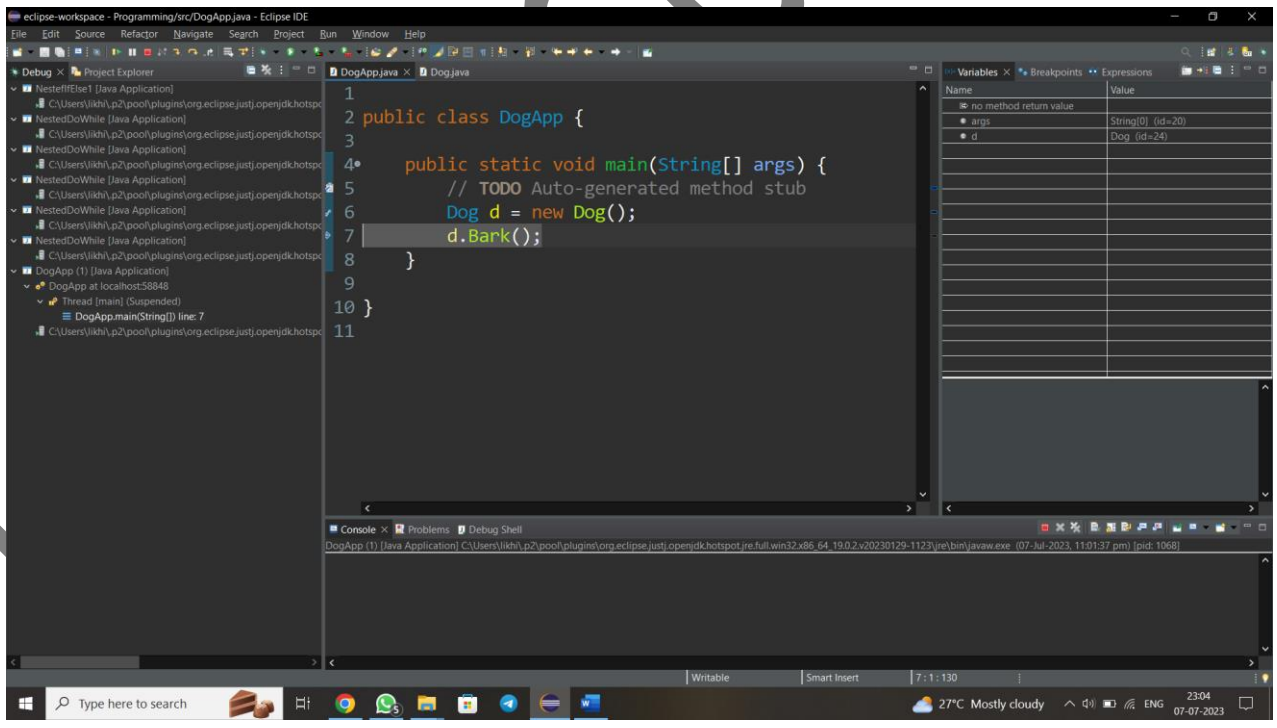
```
Enter two numbers to find the negative difference
10
6
The negative difference of 10 and 6 is -4
```

Debuging the execution flow of calling a method present in object






eclipse-workspace - Programming/src/DogApp.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Debug
Project Explorer
DogApp.java
Dog.java
1
2 public class DogApp {
3
4 public static void main(String[] args) {
5 // TODO Auto-generated method stub
6 Dog d = new Dog();
7 d.Bark();
8 }
9
10 }
11
Variables
Breakpoints
Expressions
Name
Value
<init>() returned
(No explicit return value)
args
String[0] (id=20)
Console
Problems
Debug Shell
DogApp (1) [Java Application] C:\Users\likhi\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_19.0.2.v20230129-1123\jre\bin\javaw.exe (07-Jul-2023, 11:01:37 pm) [pid: 1068]
Writable
Smart Insert
6 : 1 : 108
Type here to search
27°C Mostly cloudy
ENG
23:04
07-07-2023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Debug
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DogApp.java
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8 }
9
10 }
11
Variables
Breakpoints
Expressions
Name
Value
no method return value
args
String[0] (id=20)
d
Dog (id=24)
Console
Problems
Debug Shell
DogApp (1) [Java Application] C:\Users\likhi\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_19.0.2.v20230129-1123\jre\bin\javaw.exe (07-Jul-2023, 11:01:37 pm) [pid: 1068]
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Smart Insert
7 : 1 : 130
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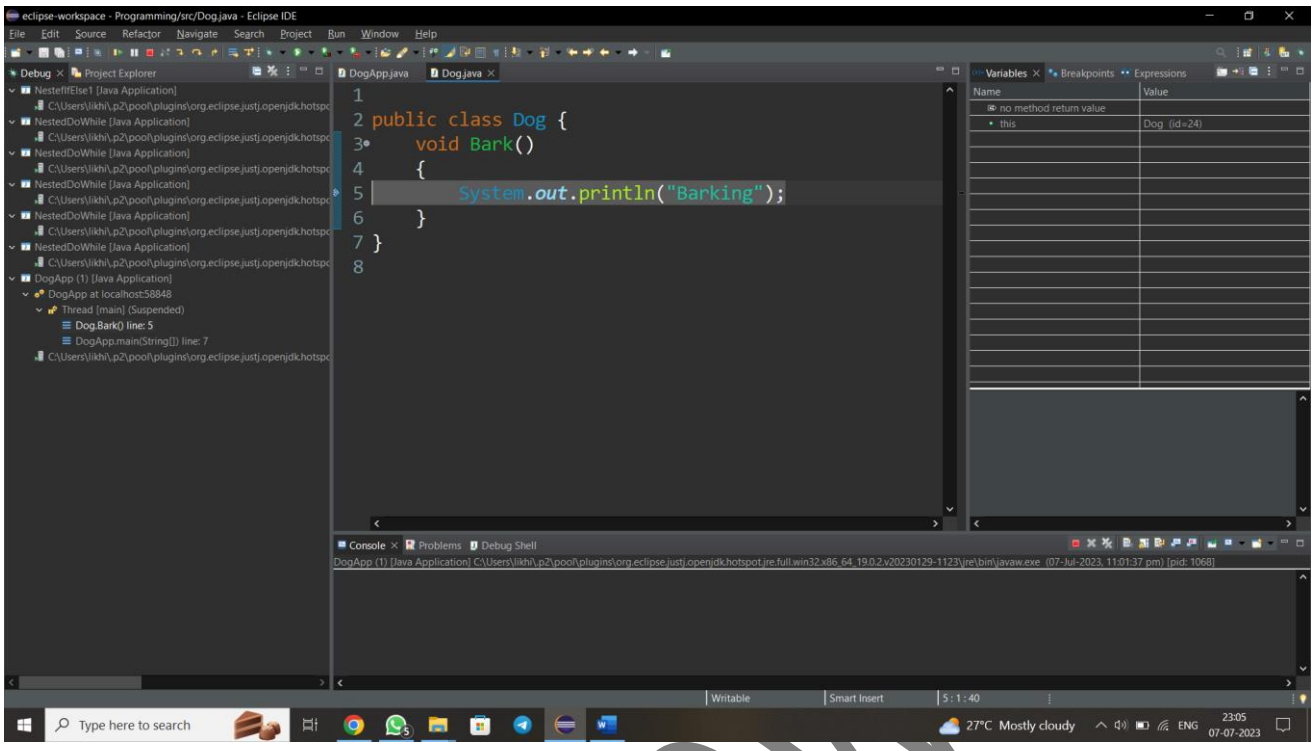
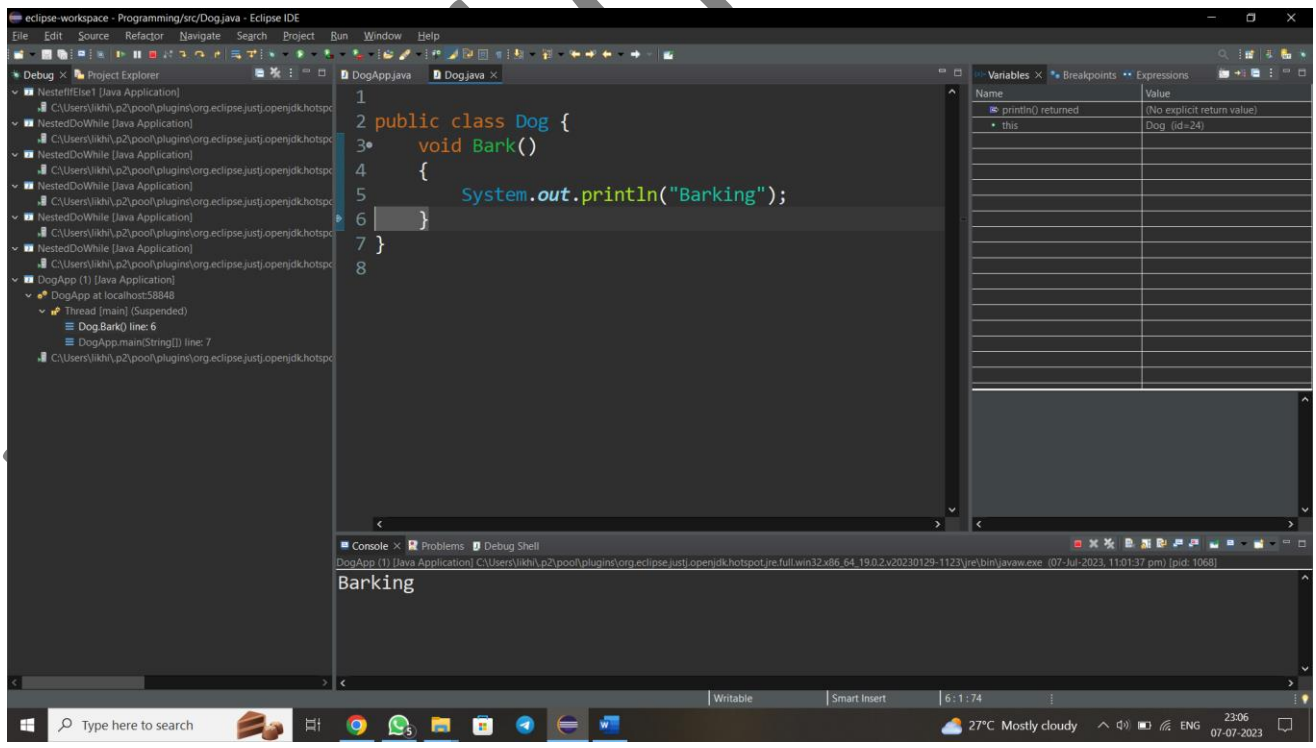
27°C Mostly cloudy
ENG
23:04
07-07-2023


eclipse-workspace - Programming/src/Dog.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Debug Project Explorer
DogApp.java Dog.java
1
2 public class Dog {
3 void Bark()
4 {
5 System.out.println("Barking");
6 }
7 }
8
Variables Breakpoints Expressions
Name Value
no method return value
this Dog (id=24)
Console Problems Debug Shell
DogApp (1) [Java Application] C:\Users\likhi\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_19.0.2.v20230129-1123\jre\bin\javaw.exe (07-Jul-2023, 11:01:37 pm) [pid: 1068]
Writable Smart Insert 5 : 1 : 40
Type here to search
27°C Mostly cloudy
ENG
23:05
07-07-2023


eclipse-workspace - Programming/src/Dog.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Debug Project Explorer
DogApp.java Dog.java
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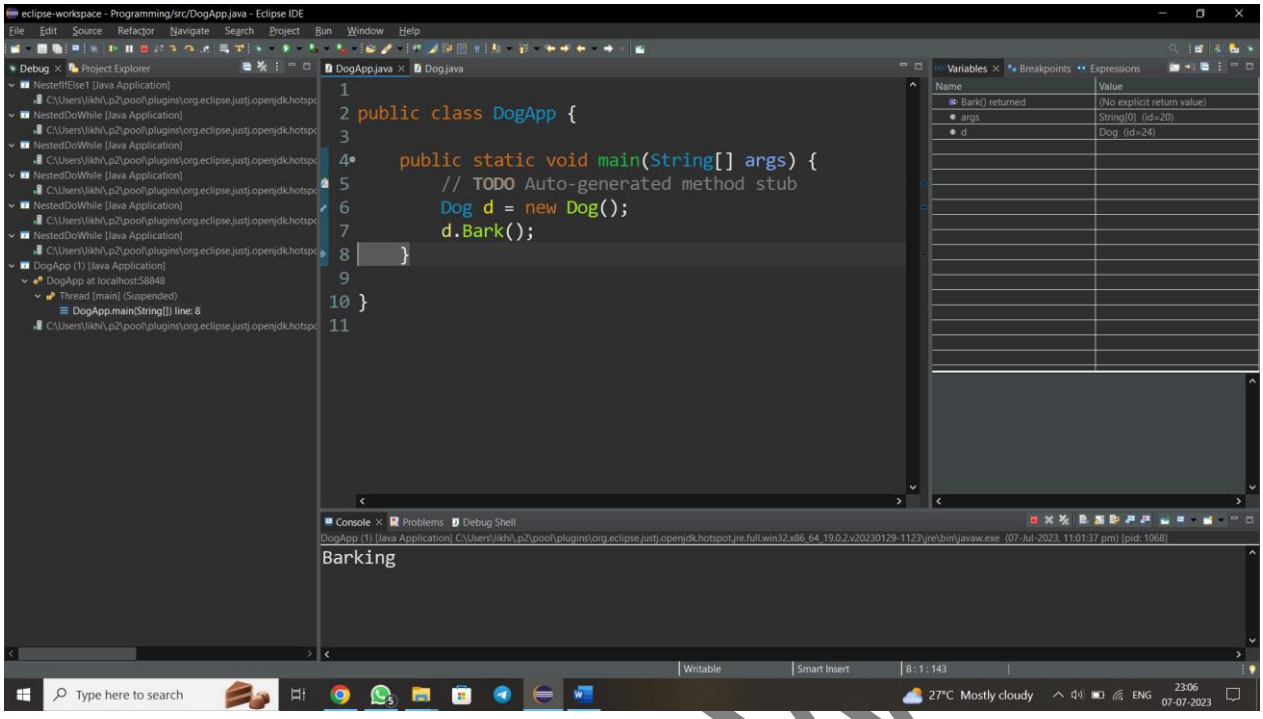
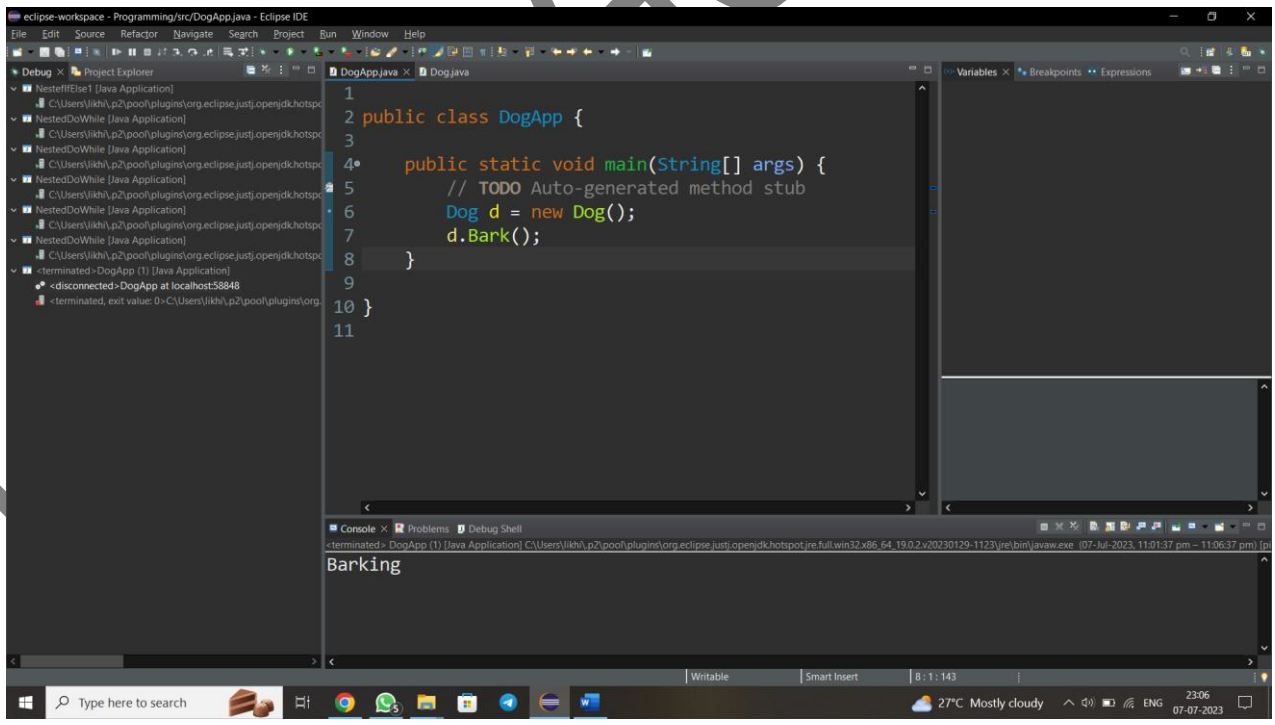
Variables Breakpoints Expressions
Name Value
println() returned (No explicit return value)
this Dog (id=24)
Console Problems Debug Shell
DogApp (1) [Java Application] C:\Users\likhi\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_19.0.2.v20230129-1123\jre\bin\javaw.exe (07-Jul-2023, 11:01:37 pm) [pid: 1068]
Barking
Writable Smart Insert 6 : 1 : 74
Type here to search
27°C Mostly cloudy
ENG
23:06
07-07-2023





In order to see the execution path of object method we need to press step into button. Then the execution goes to the class file where the method is present