

Debug Profile Team Tools Window Help

java_prog2 Apache NetBeans IDE 20

Search (0)



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1  /*
2   * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt
3   * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit
4   */
5  package comexample.project;
6
7  /**
8   *
9   * @author Admin
10  */
11 public class Main {
12     public static void main(String[] args) {
13         InnerClass obj = new InnerClass();
14         obj.display();
15     }
16 }
17
```

Output - java_prog2 (run) ×

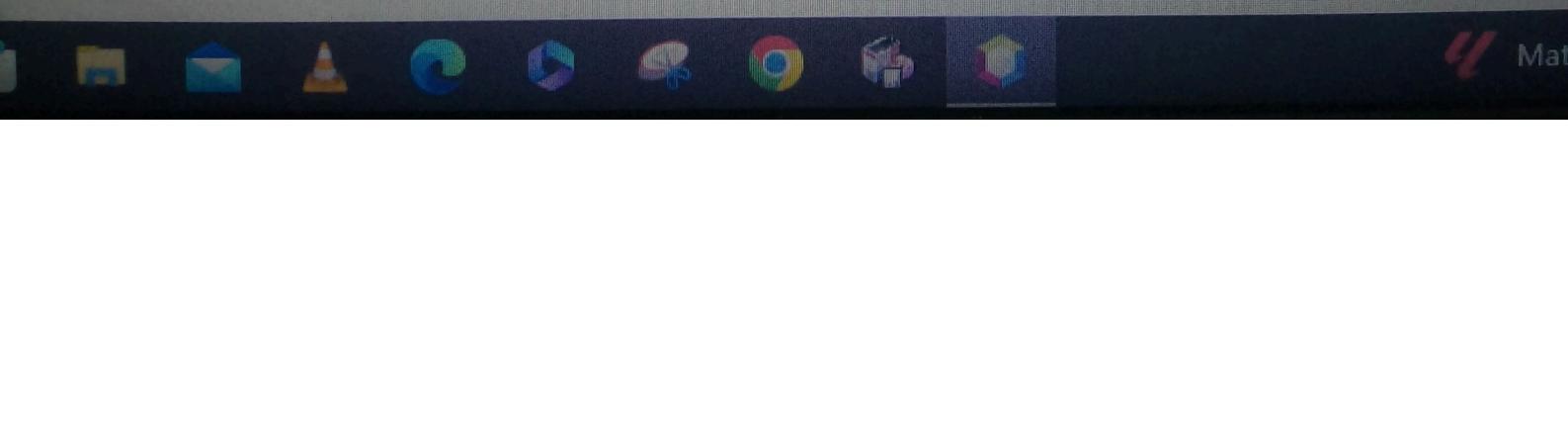
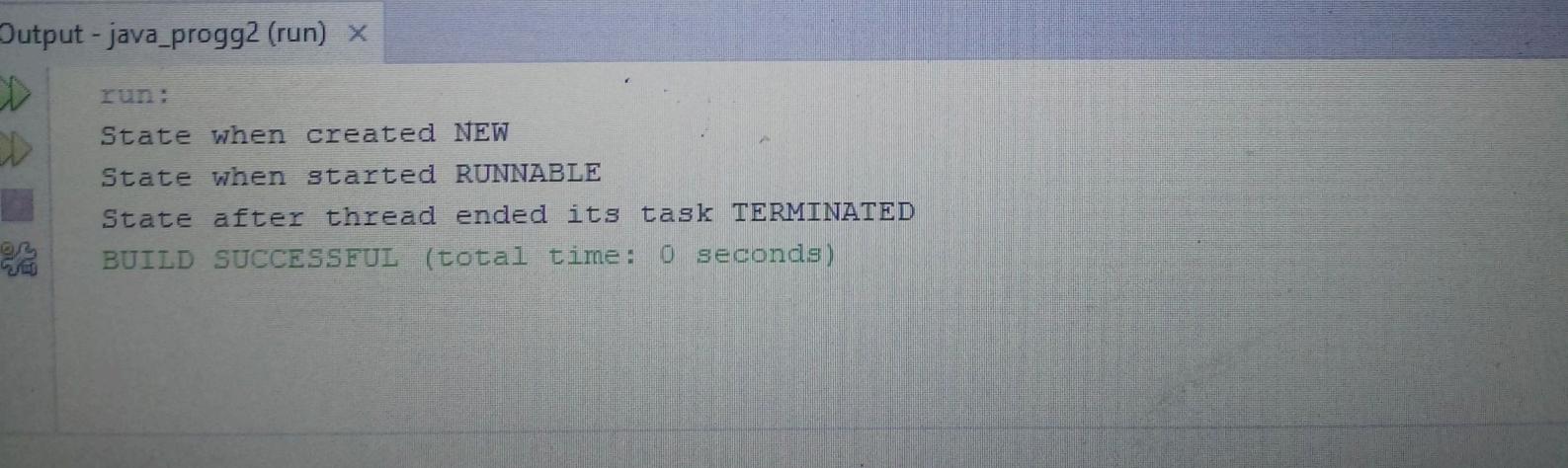
```
run:
Hello from Inner Class!
BUILD SUCCESSFUL (total time: 0 seconds)
```



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2   * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt
3   * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit t
4   */
5  package ComExample;
6
7  /**
8   *
9   * @author Admin
10  */
11 public class Main {
12     public static void main(String[] args) {
13         System.out.println(" Hello from a Package");
14     }
15 }
16
```

[

Output - java_porgg (run) X

```
run:
Hello from a Package
BUILD SUCCESSFUL (total time: 0 seconds)
```

```
1  /*
2   * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change
3   * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template
4   */
5
6  /**
7   *
8   * @author Admin
9   */
10 public class Car {
11     //field (attribute)
12     private String color;
13     private String model;
14     //constructor
15     public Car(String color, String model) {
16         this.color = color;
17         this.model = model;
18     }
19     //method
20     public void displayInfo() {
21         System.out.println("car model " + model + " car color " + color);
22     }
23     //main method create and use obj in a car
```

Output - java_porgg (run) ×

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run:
car model Toyota corolla car color Red
BUILD SUCCESSFUL (total time: 0 seconds)
```

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1  /*
2   * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change
3   * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template
4   */
5
6  /**
7   *
8   * @author Admin
9   */
10 public class Demo {
11     public int publicVar =100; //Accessible fromany other class
12     private int privateVar=200; // Accessible only within the class
13     protected int protectedVar =300; // Accessible within the class and by derived classe
14     public void display() {
15         System.out.println("Public: "+publicVar);
16         System.out.println("Private: " + privateVar);
17         System.out.println("Protected: " +protectedVar);
18     }
19     public static void main(String[] args) {
20         Demo obj =new Demo();
21         obj.display();
22     }
23 }
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```

ExceptionHandling.java X

```
/*
 * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change
 * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template
 */

/**
 *
 * @author Admin
 */
public class ExceptionHandling {
    public static void main(String[] args) {
        try{
            int[] numbers={1,2,3};
            System.out.println(numbers[5]);
        }
        catch(ArrayIndexOutOfBoundsException e){
            System.out.println(" An occur Exception"+ e.getMessage());
        }
        finally{
            System.out.println("The try catch is finish");
        }
    }
}
```

out - java_porgg (run) X

```
run:
An occur ExceptionIndex 5 out of bounds for length 3
The try catch is finish
BUILD SUCCESSFUL (total time: 0 seconds)
```

TypeCasting.java

```
1  /*
2  * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change
3  * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template
4  */
5
6  /**
7  *
8  * @author Admin
9  */
10 public class TypeCasting {
11     public static void main(String[] args) {
12         //implicit casting automatic conversion
13         int myint=9;
14         double mydouble=myint;
15         System.out.println("int value"+myint);
16         System.out.println("converted to mydouble"+mydouble);
17         //explicit casting manual type conversion
18         double anotherdouble=9.78;
19         int anotherint=(int) anotherdouble;
20         System.out.println("double value "+anotherdouble);
21         System.out.println("convert to int "+anotherint);
22     }
23 }
```

Output - java_porgg (run) ×

```
run:
int value9
converted to mydouble9.0
double value 9.78
convert to int 9
BUILD SUCCESSFUL (total time: 0 seconds)
```

The screenshot shows the NetBeans IDE interface with several tabs at the top: MultiMain.java X, Test3.java X, JdbcExample.java X, SimpleJdbcConnection.java X, and ScopeVariable.java X. The ScopeVariable.java tab is active, displaying the following Java code:

```
1  /*
2   * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license
3   * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template
4   */
5
6  /**
7   *
8   * @author Admin
9   */
10 public class ScopeVariable {
11     private static int x= 1;//class variable accessible in whole class
12     public static void main(String[] args) {
13         int y= 5;//local variable in main method
14         System.out.println("class variable x"+ x);
15         System.out.println("local variable y"+ y);
16         someMethod();
17     }
18     public static void someMethod(){
19         System.out.println("class variable x from somemethod "+x);
20         // System.out.println("local variable y from somemethod "+y);//error y can not access here
21     }
22 }
23 }
```

Below the code editor, the Output window shows the results of running the program:

```
Output - java_porg (run) X
run:
class variable x1
local variable y5
class variable x from somemethod 1
BUILD SUCCESSFUL (total time: 2 seconds)
```

- → C ← programiz.com/java-programming/online-compiler/

Programiz
Online Java Compiler

Main.java

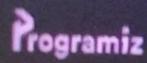
```
1 // Online Java Compiler
2 // Use this editor to write, compile and run your Java code online
3
4
5 interface Animal {
6     void sound();
7 }
8 class Dog implements Animal {
9
10    public void sound() { // The body of sound() is provided here
11        System.out.println("Woof");
12    }
13 }
14 class Cat implements Animal {
15    public void sound() {
16        System.out.println("Meow");
17    }
18 }
19 public class Main {
20     public static void main(String[] args) {
21         Dog myDog = new Dog();
22         Cat myCat = new Cat();
23     }
24 }
```

Run

Output

```
javac -cp ./src/HelloWorld.java
Woof
Meow
--- Code Execution Successful ---
```

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Online Java Compiler

Main.java

```
1  Online Java Compiler
2  use this editor to write, compile and run your Java code online
3
4  class Car {
5  private String model;
6  private int year;
7  // CONSTRUCTOR
8  public Car(String model, int year){
9
10 this.model = model;
11 this.year=year;
12 }
13 public void displayInfo() {
14
15 System.out.println("Model: "+model +"Year: "+year);
16 }
17 }
18 public class Main {
19 public static void main(String[] args) {
20 Car carl = new Car("Toyota Corolla", 2020);
21 carl.displayInfo();
22 }
```



Output

```
javac -cp /tmp/7NDR5J64xg/Main
Model: Toyota CorollaYear: 2020
== Code Execution Successful ==
```



File Recent documents



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12:41

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Main.java

```
4 class Animal {  
5 }  
6 class Dog extends Animal {  
7  
8     public void sound() {  
9         System.out.println("Woof");  
10    }  
11 }  
12 class Cat extends Animal {  
13  
14     public void sound() {  
15         System.out.println("Meow");  
16     }  
17 }  
18  
19 public class Main {  
20     public static void main(String[] args) {  
21  
22         Dog mydog=new Dog();  
23         Cat mycat=new Cat();  
24         mydog.sound();  
25     }  
26 }
```



Run

Output

Woof

Meow

== Code Execution Successful ==

Type here to search

