

Inheritance - Apache NetBeans IDE 28

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Projects x Inheritance.java

Source History

```
10 L  */  
11     abstract class Shape{  
12         public abstract double calculateArea();  
13     }  
14     class Circle extends Shape{  
15         private double radius;  
16         public Circle(double radius){  
17             this.radius=radius;  
18         }  
19         @Override  
20         public double calculateArea(){  
21             return 3.14*radius*radius;  
22         }  
23     }  
24     class Rectangle extends Shape{  
25         private double length,width;  
26         public Rectangle(double length,double width){  
27             this.length=length;  
28             this.width=width;  
29         }  
30         @Override  
31         public double calculateArea(){  
32             return length*width;  
33         }  
34     }  
35     class Square extends Shape{  
36         private double side;  
37         public Square(double side){  
38             this.side=side;  
39         }  
40         @Override  
41         public double calculateArea(){  
42             return side*side;  
43         }  
44 }
```

Output - Run (Inheritance)

```
-- compiler3.13.0:compile (default-compile) @ Inheritance ---  
Recompiling the module because of changed source code.  
Compiling 1 source file with javac (debug release 28) to target\classes  
--- exec3.5.1:exec (default-cli) @ Inheritance ---  
Circle Area: 12.56  
Circle Area: 24.0  
Circle Area: 16.0  
-----  
BUILD SUCCESS  
-----  
Total time: 1.577 s
```

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