

2  
3 Online Java Compiler.  
4 Code, Compile, Run and Debug java program online.  
5 Write your code in this editor and press "Run" button to execute it.

6  
7 \*\*\*\*\*/

8  
9 public class Main  
10 {  
11 public static void main(String[] args) {  
12 System.out.println("widening/implicit casting");  
13 int a=10;  
14 float f=a;  
15 System.out.println(a);  
16 System.out.println(f);  
17 }  
18 }  
19



Input

widening/implicit casting

10

10.0

...Program finished with exit code 0

Press ENTER to exit console

```
1 - /*****
2
3         Online Java Compiler.
4         Code, Compile, Run and Debug java program online.
5         Write your code in this editor and press "Run" button to execute it.
6
7 *****/
8
9 public class program
10 {
11     public static void main(String[] args) {
12         System.out.println("widening/implicit casting");
13         int a=10;
14         double d =a;
15         System.out.println(a);
16         System.out.println(d);
17     }
18 }
19
```

Input

widening/implicit casting

10

```
Main.java
1 // Online Java Compiler
2 // Use this editor to write, compile and run your Java code online
3
4 class HelloWorld {
5     public static void main(String[] args) {
6         System.out.println("Hello, World!");
7         int a=45;
8         byte b=85;
9         System.out.println(a);
10        System.out.println(b);
11    }
12 }
```

```
Output
Clear
java -cp /tmp/IDmAJ3c5vQ HelloWorld
Hello, World!
45
85
```

Main.java

```
1 // Online Java Compiler
2 // Use this editor to write, compile and run your Java code online
3
4 class HelloWorld {
5     public static void main(String[] args) {
6         System.out.println("Hello, World!");
7         int a=45;
8         byte b=85;
9         System.out.println(a);
10    }
```

Screenshot copied to clipboard and saved  
Select here to mark up and share the image

Main.java

```
1 // Online Java Compiler
2 // Use this editor to write, compile and run your Java code online
3
4 class HelloWorld {
5     public static void main(String[] args) {
6         System.out.println("widening casting");
7         int a=20;
8         short s=40;
9         System.out.println(a);
10        System.out.println(s);
11    }
12 }
```

Run

Output

Clear

```
java -cp /tmp/uArIMPYtNR HelloWorld
widening casting
20
40
```

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Main.java

```
1 // Online Java Compiler
2 // Use this editor to write, compile and run your Java code online
3
4 class HelloWorld {
5     public static void main(String[] args) {
6         System.out.println("widening casting");
7         int a=20;
8         char c='a';
9         System.out.println(a);
10        System.out.print(c);
11    }
12 }
```

Run

Output

Clear

java -cp /tmp/uAr1MYYtNk HelloWorld  
widening casting  
20  
a

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Main.java

```
1 // Online Java Compiler
2 // Use this editor to write, compile and run your Java code online
3
4 class HelloWorld {
5     public static void main(String[] args) {
6         System.out.println("widening casting");
7         int a=50;
8         boolean b='true'
9         System.out.println(a);
10        System.out.print(b);
11    }
12 }
```

Run

Output

Clear

```
ERROR!
javac /tmp/uArIMPYUHI/HelloWorld.java
/tmp/uArIMPYUHI/HelloWorld.java:8: error: unclosed character literal
        boolean b='true'
                   ^
/tmp/uArIMPYUHI/HelloWorld.java:8: error: illegal line end in character literal
        boolean b='true'
                   ^
/tmp/uArIMPYUHI/HelloWorld.java:8: error: not a statement
        boolean b='true'
                   ^
3 errors
```

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Main.java

```
1 // Online Java Compiler
2 // Use this editor to write, compile and run your Java code online
3
4 class HelloWorld {
5     public static void main(String[] args) {
6         System.out.println("narrowing casting");
7         float f=50.345f;
8         int a=(int)f;
9         System.out.println(f);
10        System.out.print(a);
11    }
12 }
```

Output

```
java -cp /tmp/uArIMFYtNH HelloWorld
narrowing casting
50.345
50
```

Clean

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Main.java

Run

```
1 // Online Java Compiler
2 // Use this editor to write, compile and run your Java code online
3
4 class HelloWorld {
5     public static void main(String[] args) {
6         System.out.println("narrowing casting");
7         double d=50.3454466;
8         int a=(int)d;
9         System.out.println(d);
10        System.out.print(a);
11    }
12 }
```

Output

Clear

```
java -cp /tmp/uAr1MPYrTK HelloWorld
narrowing casting50.3454466
50
```

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Online Java Compiler

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Main.java

Run

Output

Clear

```
1 // Online Java Compiler
2 // Use this editor to write, compile and run your Java code online
3
4 class HelloWorld {
5     public static void main(String[] args) {
6         System.out.println("narrowing casting");
7         byte b=50;
8         int a=(int)b;
9         System.out.println(b);
10        System.out.print(a);
11    }
12 }
```

```
java -cp /tmp/uArIMPyTNR HelloWorld
narrowing casting
50
50
```

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Main.java

```
1 // Online Java Compiler
2 // Use this editor to write, compile and run your Java code online
3
4 class HelloWorld {
5     public static void main(String[] args) {
6         System.out.println("narrowing casting");
7         short s=530;
8         int a=(int)s;
9         System.out.println(s);
10        System.out.print(a);
11    }
12 }
```

Run

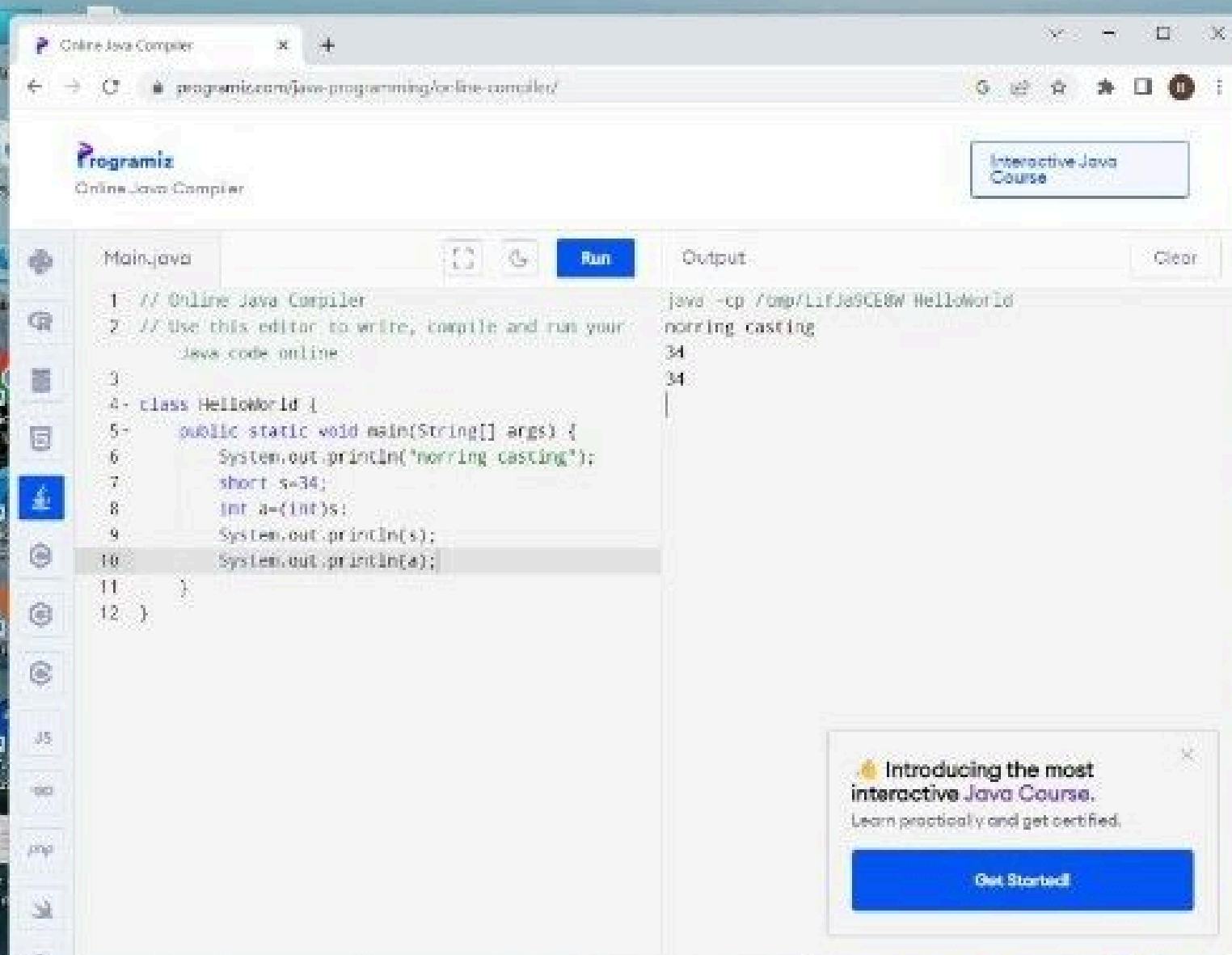
Output

Clear

```
java -cp /tmp/u8rIMPYtNH HelloWorld
narrowing casting
530
530
```

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Main.java

```
1 // Online Java Compiler
2 // Use this editor to write, compile and run your Java code online
3
4 class HelloWorld {
5     public static void main(String[] args) {
6         System.out.println("narrowing casting");
7         double d=4.37683;
8         long l=(int)d;
9         System.out.println(d);
10        System.out.print(l);
11    }
12 }
```

Run

Output

Clear

```
java -cp /tmp/y3X18nE-ZG1 HelloWorld
narrowing casting4.37683
4
```

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Main.java

```
1 // Online Java Compiler
2 // Use this editor to write, compile and run your Java code online
3
4 class HelloWorld {
5     public static void main(String[] args) {
6         System.out.println("narrowing casting");
7         double d=4.37683;
8         long l=(int)d;
9         System.out.println(d);
10        System.out.print(l);
11    }
12 }
```

Run

Output

Clear

java -cp /tmp/y3X1806ZGI-HelloWorld  
narrowing casting4.37683  
4

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Main.java

```
1 // Online Java Compiler
2 // Use this editor to write, compile and run your Java code online
3
4 class HelloWorld {
5     public static void main(String[] args) {
6         System.out.println("narrowing casting");
7         byte b=83;
8         int a=(int)b;
9         System.out.println(b);
10        System.out.println(a);
11    }
12 }
```

Run

Output

Clear

```
java -cp /tmp/y3X18nFZGL HelloWorld
narrowing casting
83
83
```

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Main.java

Run

```
1 // Online Java Compiler
2 // Use this editor to write, compile and run your Java code online
3
4 class HelloWorld {
5     public static void main(String[] args) {
6         System.out.println("narrowing casting");
7         double d=8.87763;
8         byte b=(byte)d;
9         System.out.println(d);
10        System.out.print(b);
11    }
12 }
```

Output

Clear

```
java -cp /tmp/y3X28nE2G1 HelloWorld
narrowing casting
8.87763
8
```

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Main.java

```
1 // Online Java Compiler
2 // Use this editor to write, compile and run your Java code online
3
4 class HelloWorld {
5     public static void main(String[] args) {
6         System.out.println("narrowing casting");
7         double d=8.87763;
8         short s=(short)d;
9         System.out.println(d);
10        System.out.print(s);
11    }
12 }
```

Run

Output

Clear

java -cp /tmp/y3X180H-ZG1 HelloWorld  
narrowing casting  
8.87763  
8

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Main.java

```
1 // Online Java Compiler
2 // Use this editor to write, compile and run your Java code online
3
4 class HelloWorld {
5     public static void main(String[] args) {
6         System.out.println("narrowing casting");
7         long l=453686;
8         short s=(short)l;
9         System.out.println(l);
10        System.out.print(s);
11    }
12 }
```

Run

Output

Clear

```
java -cp /tmp/y3X180NFZG1 HelloWorld
narrowing casting
453686
-5056
```

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Main.java

```
1 // Online Java Compiler
2 // Use this editor to write, compile and run your Java code online
3
4 class HelloWorld {
5     public static void main(String[] args) {
6         System.out.println("narrowing casting");
7         byte b=86;
8         double d=(double)b;
9         System.out.println(b);
10        System.out.print(d);
11    }
12 }
```

Run

Output

Clear

```
java -cp /tmp/y3X180a-ZG1 HelloWorld
narrowing casting
8886.0
```

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Main.java

```
1 // Online Java Compiler
2 // Use this editor to write, compile and run your Java code online
3
4 class HelloWorld {
5     public static void main(String[] args) {
6         System.out.println("primitive data types");
7         int a=3;
8         float f=6.876f;
9         double d=7.87;
10        char c='n';
11        short s=67;
12        byte b=5;
13        long l=25674;
14        System.out.println(a);
15        System.out.println(f);
16        System.out.println(d);
17        System.out.println(c);
18        System.out.println(s);
19        System.out.println(b);
20        System.out.println(l);
21    }
22 }
```

Run

Output

Clear

java -cp /tmp/y3X18n0ZGL HelloWorld
primitive data types
6.8767.87
n
67
5
25674

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Get Started

Main.java

```
1 // Online Java Compiler
2 // Use this editor to write, compile and run your Java code online
3
4 class HelloWorld {
5     public static void main(String[] args) {
6         System.out.println("variables");
7         int a=20;
8         int b=40;
9         int c=a+b;
10        System.out.println(c);
11    }
12 }
13 }
```

Run

Output

Clear

```
java -cp /tmp/y3X180N-ZG1 HelloWorld
variables
60
```

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