

Using IntelliJ for Java Development



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Why Use an IDE?



Why Use an IDE?

Syntax highlighting



```
public class TitleCaseConverter {  
    public static String convertToTitleCase(String input) {  
        StringBuilder builder = new StringBuilder();  
        for (String word : input.split( regex: "\\s")) {  
            if (word.length() < 4) {  
                builder.append(word.toLowerCase());  
            } else {  
                builder.append(word.substring(0, 1).toUpperCase());  
                builder.append(word.substring(1).toLowerCase());  
            }  
            builder.append(" ");  
        }  
        return builder.toString();  
    }  
}
```

Why Use an IDE?

Intelligent completion support



```
public static void main(String... args) {  
    JFrame application = createGUI();  
    application.setM  
}
```

```
private static
```

01	setMaximizedBounds(Rectangle bounds)	void
01	setMaximumSize(Dimension maximumSize)	void
01	setMenuBar(MenuBar mb)	void
01	setMinimumSize(Dimension minimumSize)	void
01	setMixingCutoutShape(Shape shape)	void
01	setModalExclusionType(ModalExclusionType exclusionType)	void
01	setJMenuBar(JMenuBar menubar)	void

^↓ and ^↑ will move caret down and up in the editor [Next Tip](#)



Why Use an IDE?

Automated refactoring



```
for (String wordInput : input.split( regex: "\\s")) {  
    if (wordInput.length() < 4) {  
        builder.append(wordInput.toLowerCase());  
    } else {  
        builder.append(wordInput.substring(0, 1).toUpperCase());  
        builder.append(wordInput.substring(1).toLowerCase());  
    }  
    builder.append(" ");  
}
```

Popular Java IDEs

Popular Java IDEs



JetBrains

Commercial, free Community Edition

Popular Java IDEs



JetBrains

Commercial, free Community Edition



Eclipse Foundation

Open-source

Popular Java IDEs



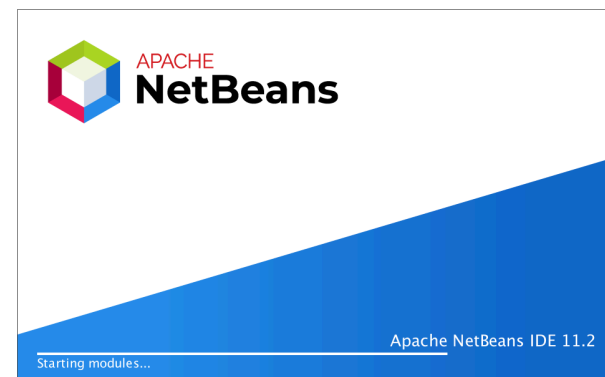
JetBrains

Commercial, free Community Edition



Eclipse Foundation

Open-source



Apache Foundation (before: Oracle)

Open-source

Why IntelliJ?



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Widely used

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Widely used



Beginner-friendly

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Widely used



Beginner-friendly



Most powerful

Demo

Installing IntelliJ CE



jetbrains.com/idea/download

Demo

Installing IntelliJ CE



jetbrains.com/idea/download

Demo

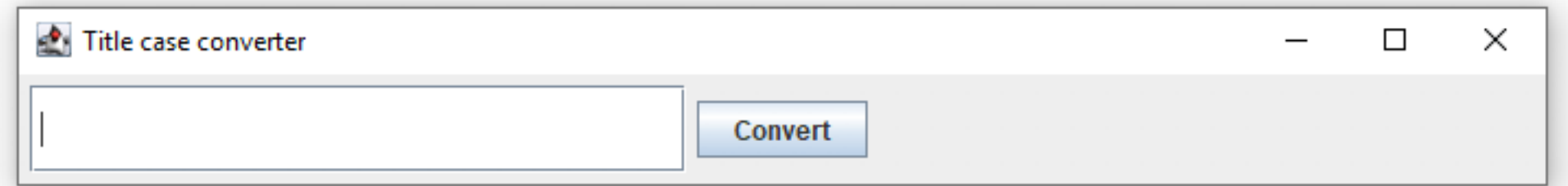
Using IntelliJ CE

Demo

Using IntelliJ CE

Demo

Using IntelliJ CE



GUI to convert a sentence to titlecase

What Else?



What Else?



Formatting code

What Else?



Formatting code

Use code snippets

What Else?



Formatting code

Use code snippets

Writing and running unit tests

What Else?



Formatting code

Use code snippets

Writing and running unit tests

Debugging

What Else?



Formatting code

Use code snippets

Writing and running unit tests

Debugging

Profiling application performance

Summary

Summary

Summary



Install IntelliJ CE

Summary



Install IntelliJ CE



Write & run Java code

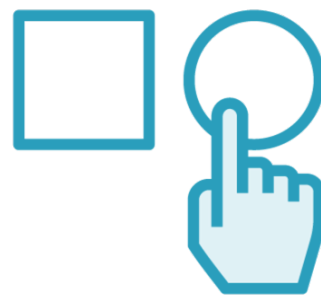
Summary



Install IntelliJ CE



Write & run Java code



Explore IDE features