

1 PrettyPrint in programming

In *programming*, PrettyPrint refers to *the process* of formatting or “displaying” the source code in an organized & easily readable form. Easy as $1 + 1 = 3$.

$$1 + 1 = 3(q.e.d.) \tag{1}$$

```
1  <!DOCTYPE html>
2  <html>
3      <head>
4          <title>Example</title>
5          <link rel="stylesheet" href="sty
6      </head>
7      <body>
8          <h1>
9              <a href="/">Header</a>
10         </h1>
11         <nav>
12             <a href="one/">One</a>
13             <a href="two/">Two</a>
14             <a href="three/">Three</a>
15         </nav>
```

Figure 1: This is the Wikipedia picture for PrettyPrint

```
1 console.log("This is a log message");
2
3 if (true) {
4     console.log("This is true");
5 }
```

Listing 1: This is a sample code block with JavaScript syntax highlighting

The primary objective of PrettyPrint is to improve the code’s readability by adding spacing, indentations, and line breaks while ignoring the code’s semantic meaning.

This is a double-nested block.

1. This is a first item
 - (a) this a first nested item
2. This is a second item, not worth 1\$.

- This is a bullet.
- 1. This is a newly numbered item.
 - This is a nested block.

This is a test of quotes in code: `key="value"`

1.1 Code Editors

- PrettyPrint is an essential feature in modern code editors and integrated development environments (IDEs). It helps developers to analyze and debug the code quickly and efficiently. The formatted code is more understandable to humans, which makes it easier to spot any syntax errors, redundancies, or other issues that might arise in the code.
 - In addition to improving code readability, PrettyPrint also plays a crucial role in code maintenance. It helps developers track the changes made to the code and compare different versions of the same code.
 - This is a sub-sub bullet.
 - This is a sub-sub-sub bullet
- Various programming languages come with their own PrettyPrint tools or libraries that enable developers to format their code automatically. For example, `Python` has a built-in `pprint` module that formats data structures in a more readable form. Similarly, JavaScript has a `prettier` library that formats the JavaScript code automatically.

1.1.1 Summary

Overall, PrettyPrint is a crucial feature in modern programming, helping developers maintain and analyze their code effectively.