

Hello World Typos

The screenshot shows a dark-themed instance of Visual Studio Code. In the center-left, the code editor displays a file named `hello_world.py` with the following content:

```
1 print ("Hello, Python World!")
2 ^
```

The word `print` is highlighted in yellow, and the character `t` is underlined with a red squiggly line, indicating a spelling error. In the bottom-right corner of the code editor, there is a small red circular icon with a white exclamation mark, signifying a problem.

Below the code editor is the terminal window, which shows the command-line output of running the script:

```
Hello, Python World!
arthu@Buster MINGW64 ~/OneDrive/Desktop/python
$ cd c:\\Users\\arthu\\OneDrive\\Desktop\\python ; /usr/bin/env c:\\Users\\arthu\\AppData\\Local\\Python\\pythoncore-3.14-64\\python.exe c:\\Users\\arthu\\.vscode\\extensions\\ms-python.debugpy-2025.18.0-win32-x64\\bundled\\libs\\debugpy\\launcher 58615
-- c:\\Users\\arthu\\OneDrive\\Desktop\\python\\hello_world.py
Traceback (most recent call last):
  File "c:\\Users\\arthu\\OneDrive\\Desktop\\python\\hello_world.py", line 1, in <module>
    prnt ("Hello, Python World!")
    ^^^^
NameError: name 'prnt' is not defined. Did you mean: 'print'?

arthu@Buster MINGW64 ~/OneDrive/Desktop/python
$
```

The terminal also shows the command to run the script and the resulting `NameError` when it tries to execute the misspelled function.

Typo that generates an error.

Python is telling us that it doesn't recognize `prnt` as a valid function. Since we misspelled `print` as `prnt`, Python cannot find it. This error occurs at runtime because Python interprets the code. When it encounters an unknown name, it immediately stops execution and reports the error rather than allowing the program to continue.

The screenshot shows the Visual Studio Code (VS Code) interface. The top bar includes 'File', 'Edit', 'Selection', '...', 'python' (search bar), and various window control icons. The left sidebar has sections for 'EXPLORER', 'OPEN EDITORS' (containing 'hello_world.py' and 'Error_Analysis.md'), 'PYTHON' (containing 'Error_Analysis.md' and 'hello_world.py'), and other files ('Python Tutorial.docx', 'Python Tutorial.pdf'). The main area shows the content of 'hello_world.py':

```
1 print ("Hello, Python Wrld!")  
2
```

The 'TERMINAL' tab is active, displaying the output of running the script:

```
sions\\ms-python.debugpy-2025.18.0-win32-x64\\bundled\\libs\\debugpy\\launcher 58615  
-- c:\\Users\\arthu\\OneDrive\\Desktop\\python\\hello_world.py  
Traceback (most recent call last):  
  File "c:\\Users\\arthu\\OneDrive\\Desktop\\python\\hello_world.py", line 1, in <module>  
    prnt ("Hello, Python World!")  
           ^^^  
NameError: name 'prnt' is not defined. Did you mean: 'print'?  
  
arthu@Buster MINGW64 ~/OneDrive/Desktop/python  
$ cd c:\\Users\\arthu\\OneDrive\\Desktop\\python ; /usr/bin/env c:\\Users\\arthu\\AppData\\Local\\Python\\pythoncore-3.14-64\\python.exe c:\\Users\\arthu\\.vscode\\extensions\\ms-python.debugpy-2025.18.0-win32-x64\\bundled\\libs\\debugpy\\launcher 50066  
-- c:\\Users\\arthu\\OneDrive\\Desktop\\python\\hello_world.py  
Hello, Python Wrld!
```

The bottom status bar shows 'Spaces: 2', 'UTF-8', 'CRLF', 'Python 3.14.2', 'Go Live', and 'Prettier'.

Typo that did not generate an error.

Python interprets the string ` "Hello, Python Wrld!"` as literal text that should be displayed. It doesn't check if the spelling or grammar of the content is correct, it just prints whatever is inside the quotes.