

Understanding
Python's
Indentation Rules
and Code Blocks

Python syntax

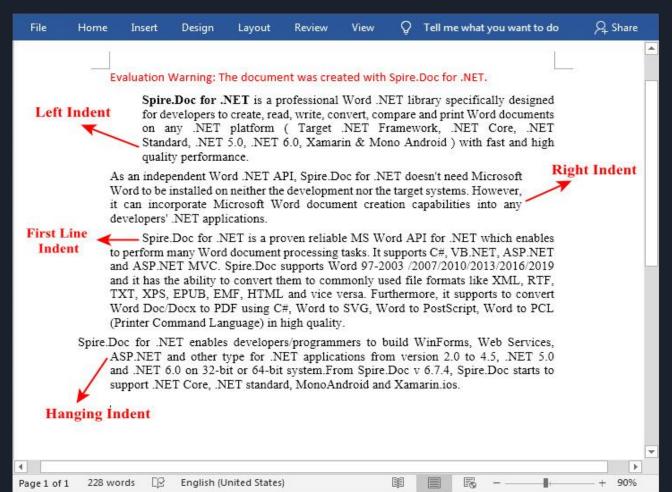
No semicolons

No curly braces

Focus on neat and simple syntax

New line characters to differentiate statements

What are indents?



<u>Indents allow to detect code-blocks in Python</u>

Difference in indents in C language and python is displayed here:-

```
if (true) {cout << 6; cout << 7;}-
if (true) {-
cout << 6;-
if (true)-
cout << 6; ¬
```

```
C-style
```

```
if True: -
... print(6) -
... print(7) -
if True: print(6) - -
```

Pythonic

No restriction on number of spaces

You can use as much space as you want for indentation.

It just has to be same in that level.

```
for x in sequence:
    # indent by four spaces = 1 level
    if condition:
            # Indent by eight spaces for this block
            print("a big indent here")
    else:
      # Indent by only two spaces for this block
      print("a smaller indent")
    print("outdent back to four spaces")
```

Empty code blocks?

```
def func(): -¬

....#.empty.body.results.in.error¬

¬
func()¬
```

```
def func():¬
...pass # do nothing¬
¬
func()¬
```

Thank You