

Python pass statement

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In this article, you'll learn about pass statement. It is used as a placeholder for future implementation of functions, loops, etc.

What is pass statement in Python?

In Python programming, the `pass` statement is a null statement. The difference between a comment and a `pass` statement in Python is that while the interpreter ignores a comment entirely, `pass` is not ignored.

However, nothing happens when the pass is executed. It results in no operation (NOP).

Syntax of pass

```
pass
```

We generally use it as a placeholder.

Suppose we have a loop or a function that is not implemented yet, but we want to implement it in the future. They cannot have an empty body. The interpreter would give an error. So, we use the `pass` statement to construct a body that does nothing.

Example: pass Statement

```
'''pass is just a placeholder for
functionality to be added later.'''
sequence = {'p', 'a', 's', 's'}
for val in sequence:
    pass
```

We can do the same thing in an empty function or class as well.

```
def function(args):
    pass

class Example:
    pass
```