7.7. The [yield](https://docs.python.org/3/reference/simple_stmts.html#yield) statement[¶](https://docs.python.org/3/reference/simple_stmts.html#the-yield-statement)

**yield\_stmt** ::= [yield\_expression](https://docs.python.org/3/reference/expressions.html#grammar-token-yield_expression)

A [yield](https://docs.python.org/3/reference/simple_stmts.html#yield) statement is semantically equivalent to a [*yield expression*](https://docs.python.org/3/reference/expressions.html#yieldexpr). The yield statement can be used to omit the parentheses that would otherwise be required in the equivalent yield expression statement. For example, the yield statements

**yield** <expr>

**yield from** <expr>

are equivalent to the yield expression statements

(**yield** <expr>)

(**yield from** <expr>)

Yield expressions and statements are only used when defining a [*generator*](https://docs.python.org/3/glossary.html#term-generator) function, and are only used in the body of the generator function. Using yield in a function definition is sufficient to cause that definition to create a generator function instead of a normal function.

For full details of [yield](https://docs.python.org/3/reference/simple_stmts.html#yield) semantics, refer to the [*Yield expressions*](https://docs.python.org/3/reference/expressions.html#yieldexpr) section.