

`object.__repr__(self)`

Called by the `repr()` built-in function to compute the “official” string representation of an object. If at all possible, this should look like a valid Python expression that could be used to recreate an object with the same value (given an appropriate environment). If this is not possible, a string of the form `<...some useful description...>` should be returned. The return value must be a string object. If a class defines `__repr__()` but not `__str__()`, then `__repr__()` is also used when an “informal” string representation of instances of that class is required.

This is typically used for debugging, so it is important that the representation is information-rich and unambiguous.

`object.__str__(self)`

Called by `str(object)` and the built-in functions `format()` and `print()` to compute the “informal” or nicely printable string representation of an object. The return value must be a string object.

This method differs from `object.__repr__()` in that there is no expectation that `__str__()` return a valid Python expression: a more convenient or concise representation can be used.

The default implementation defined by the built-in type `object` calls `object.__repr__()`.