Generator Objects

Generator objects are what Python uses to implement generator iterators. They are normally created by iterating over a function that yields values, rather than explicitly calling `PyGen_New()` or `PyGen_NewWithQualName()`.

PyGenObject
> The C structure used for generator objects.

PyTypeObject **PyGen_Type**
> The type object corresponding to generator objects.

int **PyGen_Check**(PyObject *ob*)
> Return true if *ob* is a generator object; *ob* must not be *NULL*.

int **PyGen_CheckExact**(PyObject *ob*)
> Return true if *ob*'s type is *PyGen_Type*; *ob* must not be *NULL*.

PyObject* **PyGen_New**(PyFrameObject *frame*)
> *Return value: New reference.*
> Create and return a new generator object based on the *frame* object. A reference to *frame* is stolen by this function. The argument must not be *NULL*.

PyObject* **PyGen_NewWithQualName**(PyFrameObject *frame*, PyObject *name*, PyObject *qualname*)
> *Return value: New reference.*
> Create and return a new generator object based on the *frame* object, with __name__ and __qualname__ set to *name* and *qualname*. A reference to *frame* is stolen by this function. The *frame* argument must not be *NULL*.