

PYTHON

Advanced about lists

Different python interpreters.

- Cpython is the default, most-widely used implementation.
Written in C.
- Jython – written in Java.
- PyPy – written in CPython
- IronPython – .NET

Lists. Look inside.

Python list implementation is interpreter dependent.

For instance:

- CPython uses structure around an array of pointers
- Jython uses an ArrayList

Lists. Look inside CPython.

- Lists can be appended to very efficiently, in amortized constant time.
- Inserting in the middle takes $O(n)$
- Index access takes $O(1)$
- `Sort()` takes $O(n \log(n))$