

Byte Code – Byte Code represents the fixed set of instruction created by Python developers representing all type of operations like arithmetic operations, comparison operation, memory related operation etc.

The size of each byte code instruction is 1 byte or 8 bits.

We can find byte code instruction in the .pyc file.

Python Compiler – A Python Compiler converts the program source code into byte code.

Type of Python Compilers :-

- CPython
- Jpython/ Jython
- PyPy
- RubyPython
- IronPython
- StacklessPython
- Pythonxy
- AnacondaPython

- Write Source Code / Program
- Compile the Program using Python Compiler
- Compiler Converts the Python Program into byte Code
- Computer/Machine Can not understand Byte Code so we convert it into Machine Code using PVM
- PVM uses an interpreter which understands the byte code and convert it into machine code
- Machine Code instructions are then executed by the processor and results are displayed

