



Let's Start



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Let'sStartCoding

```
def add5(x):
   return x+5
def dotwrite(ast):
   nodename = getNodename()
   label=symbol.sym_name.get(int(ast[0]), ast[0])
              %s [label="%s' % (nodename, label),
   if isinstance(ast[1], str):
      if ast[1].strip():
         print '= %s"];' % ast[1]
      else:
         print '"1'
   else:
      print '"];'
      children = []
      for n, child in enumerate(ast[1:]):
         children.append(dotwrite(child))
                  %s -> {' % nodename,
      print '
      for name in children:
         print '%s' % name,
```

What is Python?

- 1. Python is an interpreted
- 2. high-level
- 3. general-purpose programming language.
- 4. Created by Guido van Rossum and first released in 1991,
- 5. It provides constructs that enable clear programming on both small and large scales.



Python is a cross-platform programming language, meaning, it runs on multiple platforms like Windows, Mac OS X, Linux, Unix and has even been ported to the Java and .NET virtual machines. It is free and open source.

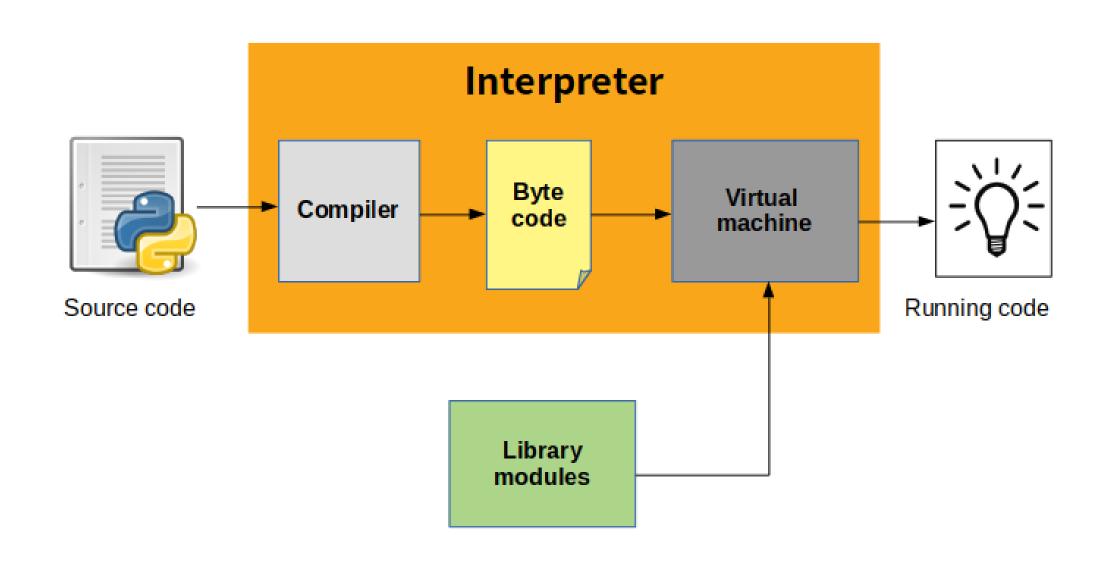
Starting the Interpreter

Interestingly, it can be implemented in any programming language!

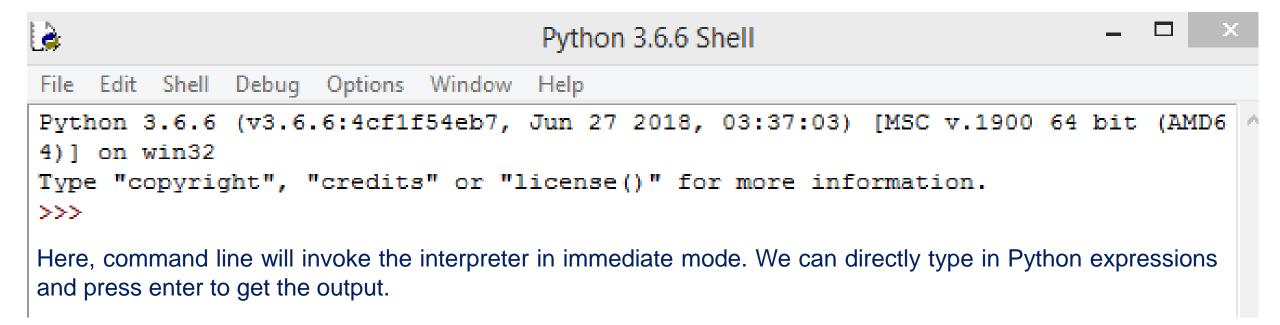
- CPython is the default interpreter for Python which is written in C programming language.
- Jython is another popular implementation of python interpreter written using Java programming language.



Python's view of interpreter



Immediate mode



- This prompt can be used as a calculator.
- To exit this mode type exit() or quit() and press enter.

Script mode

This mode is used to execute Python program written in a file. Such a file is called a script. Scripts can be saved to disk for future use.

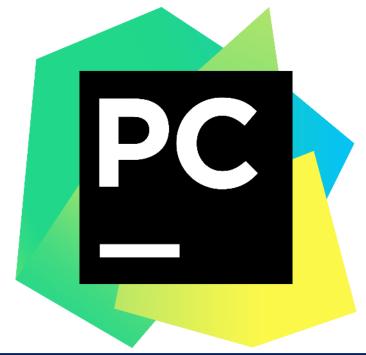
Python scripts have the extension .py

For example: myFirstpro_World.py

Integrated Development Environment (IDE)

pycharm

PyCharm is an integrated development environment used in computer programming, specifically for the Python language.



Download PyCharm

Say Hello.. Example

Type the following code in any text editor or an IDE and save it as helloWorld.py

print("Hello world!")