Python is interpreted, object oriented, high level programming language.

Interpreted:

Source code is processed by interpreter at the point of execution.

Interpreter:

Interpreter is a program which reads and executes the code. It executes the code line by line.

Compiler:

Compiler is a program which reads the code and executed the code.

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| --- | --- |
| Compiler | Interpreter |
| Compiler is a program which reads the code and executes the code. It takes the whole program one time, analyses the code and executes the code. | Interpreter is a program which reads the code and executes the code. It takes the code line by line. |
| Analyzing time is more and execution time is less. | Analyzing time is less and execution time is more. |
| Debugging is not easy | Debugging is easy |

What is object oriented?

def my\_gen():

n = 1

print('This is printed first')

# Generator function contains yield statements

yield n

n += 6

print('This is printed second')

yield n

n += 4

print('This is printed at last')

yield n

# Using for loop

for item in my\_gen():

print(item)

**Create a New File**

To create a new file in Python, use the open() method, with one of the following parameters:

"x" - Create - will create a file, returns an error if the file exist

"a" - Append - will create a file if the specified file does not exist

"w" - Write - will create a file if the specified file does not exist

To delete a file, you must import the OS module, and run its os.remove() function:

import os  
if os.path.exists("demofile.txt"):  
  os.remove("demofile.txt")  
else:  
  print("The file does not exist")

To delete an entire folder, use the os.rmdir (“my folder”) method: