**Assertions**

Bug

When we write a code suppose x but the output occurs y. The deviation between expected output and real output is bug. The process of finding expected output is known as debugging. 95% python developer use print statement for debugging purpose. But there is some problem also while using print statement as print statement is extra in the code which is not good for a long line of code. So python don’t suggest print statement for debugging. Thus python provide assertion statement for debugging purpose.

There are 2 version of assertion:

1. Simple version
2. Augmented version

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| --- |
| def squareit(x):  return x\*\*x  assert squareit(3)==9,"code is ok till now"  print(squareit(2)) #4  print(squareit(3)) #9  print(squareit(4)) #16  output:  Traceback (most recent call last):  File "e:\intern\assertion.py", line 9, in <module>  assert squareit(3)==9,"code is ok till now"  ^^^^^^^^^^^^^^  AssertionError: code is ok till now |

Python logging