What are the new features added in Python 3.8 version?

Answer:Python 3.8 allows the use of the above-discussed assignment operator and equal sign (=) inside the f-strings. For example, say we have two variables "a" and "b", and we want to print "a + b" along with the result. Here we can use f-strings=. The standard library is updated with numerous new features along with the addition of new modules, zoneinfo and graphlib . A number of modules have been improved too, such as ast , asyncio , concurrent. futures , multiprocessing , xml amongst others. This release has further stabilized the Python standard library.

What is monkey patching in Python?

Answer: Monkey patching is a technique used to dynamically update the behavior of a piece of code at run-time. A monkey patch is a way to extend or modify the runtime code of dynamic languages without altering the original source code.

What is the difference between a shallow copy and deep copy? Answer:

In Shallow copy, a copy of the original object is stored and only the reference address is finally copied. In Deep copy, the copy of the original object and the repetitive copies both are stored.

What is the maximum possible length of an identifier?

Answer: An identifier can have a maximum length of 79 characters in Python. Python is one of the most popular programming languages.Not likely , python gives the identifiers unlimited length. However the layout of PEP-8 prevents the user from breaking the rules and includes a 79-character limit. Here, the given options 16, 32 and 64 are not maximum length of an identifier in python so answer is none of them.

What is generator comprehension?

Answer: A generator comprehension is a single-line specification for defining a generator in Python. It is absolutely essential to learn this syntax in order to write simple and readable code. Note: Generator comprehensions are not the only method for defining generators in Python.

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