Python Advance Assignment_15

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2   What are the new features added in Python 3.8 version?

Answer-The New Feature are as follows :-

  1. The walrus operator

  2. Positional-only arguments

  3. f-strings now support "="

  4. reversed() now works with dict

  5. Simplified iterable unpacking for return and yield

  6. New syntax warnings

  7. Performance improvements

2   What is monkey patching in Python?

Answer - In Python, the term monkey patch only refers to dynamic modifications of a class or module at runtime, which means monkey patch is a piece of Python code that extends or modifies other code at runtime. ... It is often used to replace or extends a method on the module or class level with a custom implementation.

3   What is the difference between a shallow copy and deep copy?

Answer- Shallow Copy stores the references of objects to the original memory address. Deep copy stores copies of the object's value. ... Deep copy doesn't reflect changes made to the new/copied object in the original object. Shallow Copy stores the copy of the original object and points the references to the objects.

4   What is the maximum possible length of an identifier?

Answer- In Python, the highest possible length of an identifier is 79 characters.

5   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