Python advance assignment 15:

Q1) walrus operator(:=) - variables can be assigned in an expression

/ syntax to allow positional arguments in function.

PickleBuffer returns out of band buffers.

= operator is now supported by string.

Supports ‘final’ which prevents inheriting in a class, reassigning of variable or overriding of method.

Literal types that can be used in type checking.

Q2) monkey patching means modifying class or module dynamically at run time. To remover bugs or to create new features, third party code is added.

Q3) in deep copy, a clone is created. So, any changes to copy do not affect original. In shallow copy, only reference to object is copied. So, any changes to copy affect original object.

Q4) 79 characters

Q5) generator comprehension generates a generator.

Syntax: (<expression> for <var> in <iterable> [if <condition>])