Q1. What are the new features added in Python 3.8 version?

Ans. Python 3.8 Features

-- PEP 572 (Assignment Expressions) – The walrus operator (:=) ...

-- PEP 570 (Positional only arguments) ...

-- PEP 590 ( Vectorcall) ...

-- PEP 574 ( Pickle Protocol 5 with out-of-band data) ...

-- F-strings now support = (Easy debugging) ...

-- Improved Typing.

Q2. What is monkey patching in Python?

Ans. In Python, the term monkey patch refers to dynamic (or run-time) modifications of a class or module. Changing a method at runtime instead of updating the object definition is one example; similarly, adding attributes (whether methods or variables) at runtime is considered monkey patching.

Q3. What is the difference between a shallow copy and deep copy?

Ans. 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.

Q4. What is the maximum possible length of an identifier?

Ans. An identifier can have a maximum length of 79 characters in Python.

Q5. What is generator comprehension?

Ans. 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.