Shallow n Deep Copy

For collections that are mutable or contain mutable items, a copy is sometimes needed so one can change one copy without changing the other.

**Serialization(Pickling)**

Serialization is the process of converting a Python object into a byte stream or a string representation that can be easily stored or transmitted. In Python, the built-in **pickle**module provides the functionality to perform serialization. the **pickle.dump()** function is used to serialize the `data`

**Deserialization(Unpickling)**

Deserialization is the process of reconstructing a serialized object from its serialized form. It involves reading the serialized data from a file or a network stream and converting it back into a Python object. In Python, the **pickle** module provides the **pickle.load()** function to perform deserialization, often called "**unpickling**."

**Monkey Patching:-**

the term monkey patch refers to dynamic (or run-time) modifications of a class or module. In Python, we can actually change the behavior of code at run-time.

Monkey patching is a technique to add, modify, or suppress the default behavior of a piece of code at runtime without changing its original source code.