**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**."