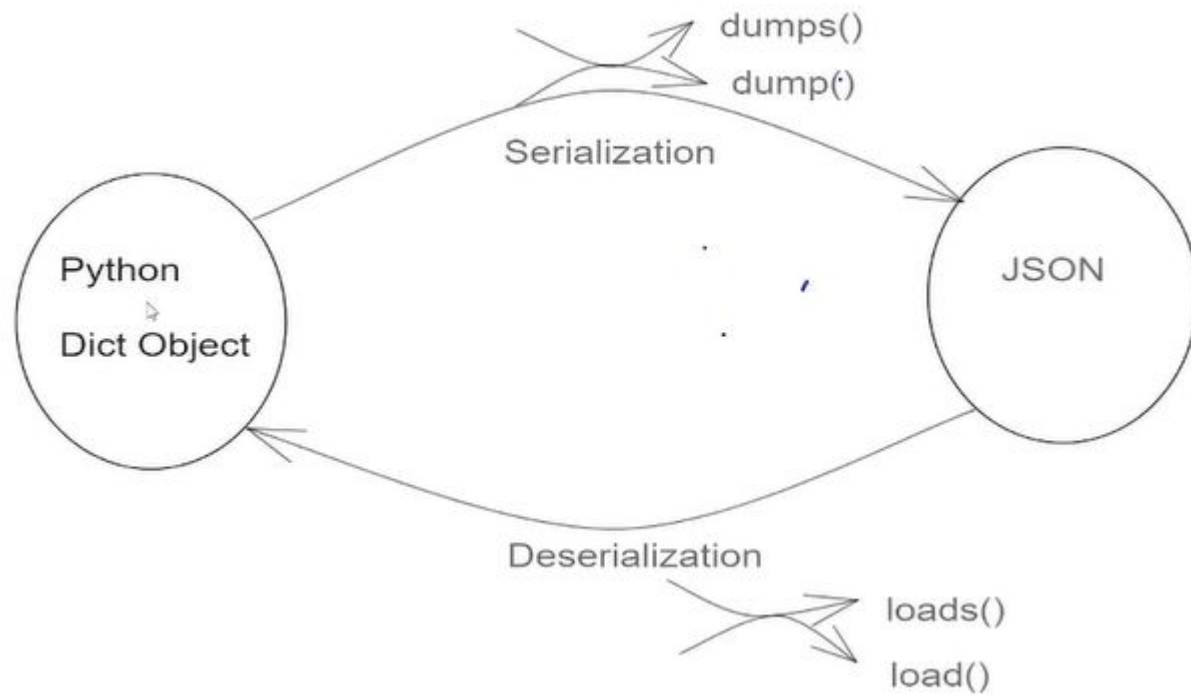


# What is Serialization

- Python Serialization is the process of converting python object into a compact and portable JSON format that can be easily stored, shared or later reconstructed to receive the original data.
- Serialization functions include `dumps()` and `dump()`

# What is Deserialization

- Deserialization is the process of reconvertng stored json file back into python Object file.
- Function for Deserialization include `Loads()` and `load()`.



- **dumps()** : It serializes python dict object to json string.

- and **dump()** : Converts python dict object to json and write that json data to provided json file. It serializes to a file

- **dumps()** : It serializes python dict object to json string.

- and **dump()** : Converts python dict object to json and write that json data to provided json file. It serializes to a file

- **Loads()** : It converts JSON string to python dict object. It deserializes from json string
- **load()** : It reads JSON from a file and convert to python dict object.

## Python - Object Serialization

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- Object serialization is the process of converting state of an object into byte stream .
- This byte stream can further be stored in any file-like object such as a disk file or memory stream .
- It can also be transmitted via sockets etc.
- Deserialization is the process of reconstructing the object from the byte stream .
- Python refers to serialization and deserialization by terms pickling and unpickling respectively.
- The 'pickle' module bundled with Python's standard library defines functions for
  - serialization (dump() and dumps()) and
  - deserialization (load() and loads()).

**END**