pickle module

Python pickle module is used for serializing and de-serializing python object structures. The process to converts any kind of python objects (list, dict, etc.) into byte streams (0s and 1s) is called pickling or serialization or flattening or marshalling.

We can converts the byte stream (generated through pickling) back into python objects by a process called as unpickling.

- Why Pickle? In real world scenario, the use pickling and unpickling are widespread as they allow us to easily transfer data from one server/system to another and then store it in a file or database.
- Precaution: It is advisable not to unpickle data received from an untrusted source as they may pose security threat.

dump

- import pickle
- mylist = ['a', 'b', 'c', 'd']
- with open('datafile.txt', 'wb') as fh:
- pickle.dump(mylist, fh)

load

- import pickle
- pickle_off = open ("datafile.txt", "rb")
- emp = pickle.load(pickle_off)
- print(emp)

Seek and tell

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myfile=open("neha.txt","w")
myfile.write("hi hw r u successfully written successfully written")
myfile.close()
print("successfully written")
f = open("neha.txt", "r")

# Second parameter is by default 0
# sets Reference point to twentieth
# index position from the beginning
f.seek(20)

# prints current position
print(f.tell())

print(f.readline())
f.close()
```