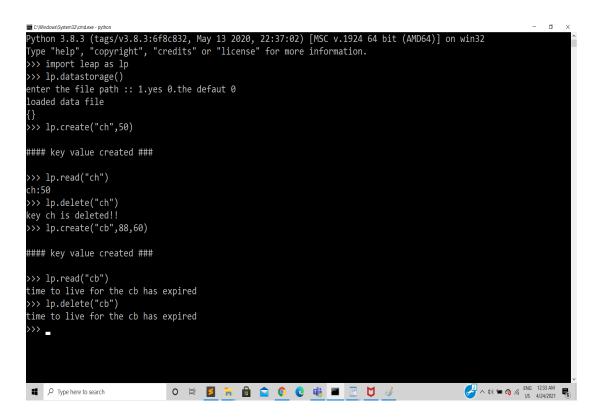
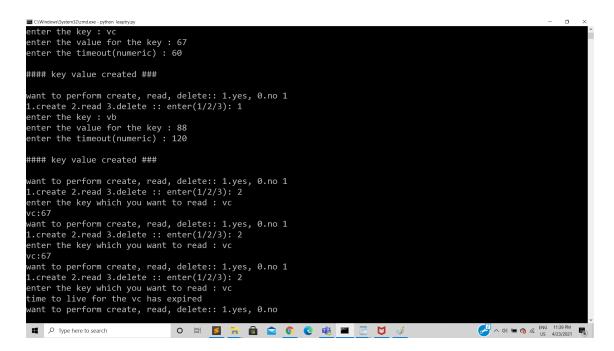
The unit test by leaptry.py file and python shell by leap.py file And demonstration of thread safe and multi threading at the last

- 1. We have used python shell to demonstrate the similar test We have to run the lead.py file
 - a. Run import leap as lp
 - b. Then initiate lp.datastorage() must have to run it will either create or load the data storage as per your need
 - c. Then can perform the create, read, delete

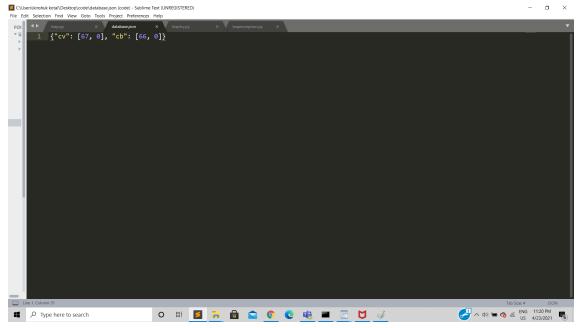


2. When we run the leaptry.py file then it asks to

- a. enter the file path 1. Yes 0. That is default in my case database.json file
- b. Then it asks whether to perform crd 1.yes 0.no
- c. If then then it ask which operation to perform 1.create, 2,read, 3,delete
- d. A snapshot of create and read operation



e. When we store first first two key value pair, the snap of database.json file



f. When we use delete operation

g. Here we can have created a key whos limit exceeds 32 chars and it throws a message of memory limit exceeded

h. We then demonstrate the time to live property by creating a key of cb, value=55, timeout=60 sec and after 60 sec invoked read operation for the key cb then it showed the message "time to live for the cb has expired "

i. We then demonstrate is the key exists then also we try to invoke create operation

3. Multi threading and thread safe

a. If we uncomment line number 64 and 99 of the leap.py file and run the leapt.py file We can see the the id of the process running ie in the example create and read are running are same which is 30324

b. We have run multiple thread concurrently

