Python 3.9.0 Shell

File Edit Shell Debug Options Window Help

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Python 3.9.0 (tags/v3.9.0:9cf6752, Oct  5 2020, 15:23:07) [MSC v.1927 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
========== RESTART: C:\Users\Nowresh raj\Desktop\freshworks\sample.py ==========
>>> #Datastore test cases
>>> #importing Datastore library which is created
>>> from Datastore import *
>>>
>>> #User can provide the file directory to store the file or it will continue with current working directory
>>> #Also checks the provided directory is exists or not
>>>
>>> #Entering the wrong file directory
>>> D=Datastore("E:\wrong_file_directory")
Error : File directory does not exist
>>> D=Datastore()
Enter the file name : freshworks
Welcome to datastore
 Methods used here are:
 1)create(key,value,timestamp)*timestamp is optional
 2)read(key)
 3)delete(key)
 4)store_data() *used to store data in json file
>>> #It also checks whether the file name is already exists or not
>>> E=Datastore()
Enter the file name : freshworks
Error : File name already exist .
>>>
>>> ## create method
>>> #Alphabets only allowed
>>> D.create("task1",23)
Error : Please enter a key with alphabets only
>>> #Error for key when it exceeds 32 chars
```

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```
TypeError: create() missing 1 required positional argument: 'value'
>>> D.create("aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa
aaaaaaaaaaaaaaaaaaa",23)
Error : The key should not exceed 32 characters
>>> #timestamp is optional
>>> D.create("arun",45,3)
Success : data is successfully created!
>>> #After 3 seconds
>>>
>>> D.read("arun")
Error : Time-to-live for the key is expired
>>>
>>> D.delete("arun")
Error : Time-to-live for the key is expired
>>>
>>> #creating another key without timestamp
>>>
>>> D.create("dinesh",98)
Success : data is successfully created!
>>> D.read("dinesh")
dinesh:98
>>>
>>> # checks the key is already exist
>>> D.create("arun",32)
Error : Key already exists
>>> D.read("prakash")
Error : Key does not exist
>>> D.store_data()
Success : Data has been stored
>>> #Data is stored as JSON file
>>>
>>>
```

Multiple_threading.py - C:\Users\Nowresh raj\Desktop\freshworks\Multiple_threading.py (3.9.0)

File Edit Format Run Options Window Help

```
from threading import Thread
from Datastore import *
a=Datastore()
t1=Thread(target=a.create("nowresh",123))
t2=Thread(target=a.read("nowresh"))
t3=Thread(target=a.store_data())
t1.start()
t2.start()
t3.start()
t1.join()#Joining the threads to main thread
t2.join()
t3.join()#after joining the thread the next statement executes
print("Process completed!")
```

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>>>
==== RESTART: C:\Users\Nowresh raj\Desktop\freshworks\Multiple_threading.py ====
Enter the file name : freshworks_multi
Welcome to datastore
 Methods used here are:
 1)create(key,value,timestamp)*timestamp is optional
 2)read(key)
 3)delete(key)
 4)store_data() *used to store data in json file
Success : data is successfully created!
nowresh:123
Success : Data has been stored
Process completed!
>>> #Multithreading
>>>
```