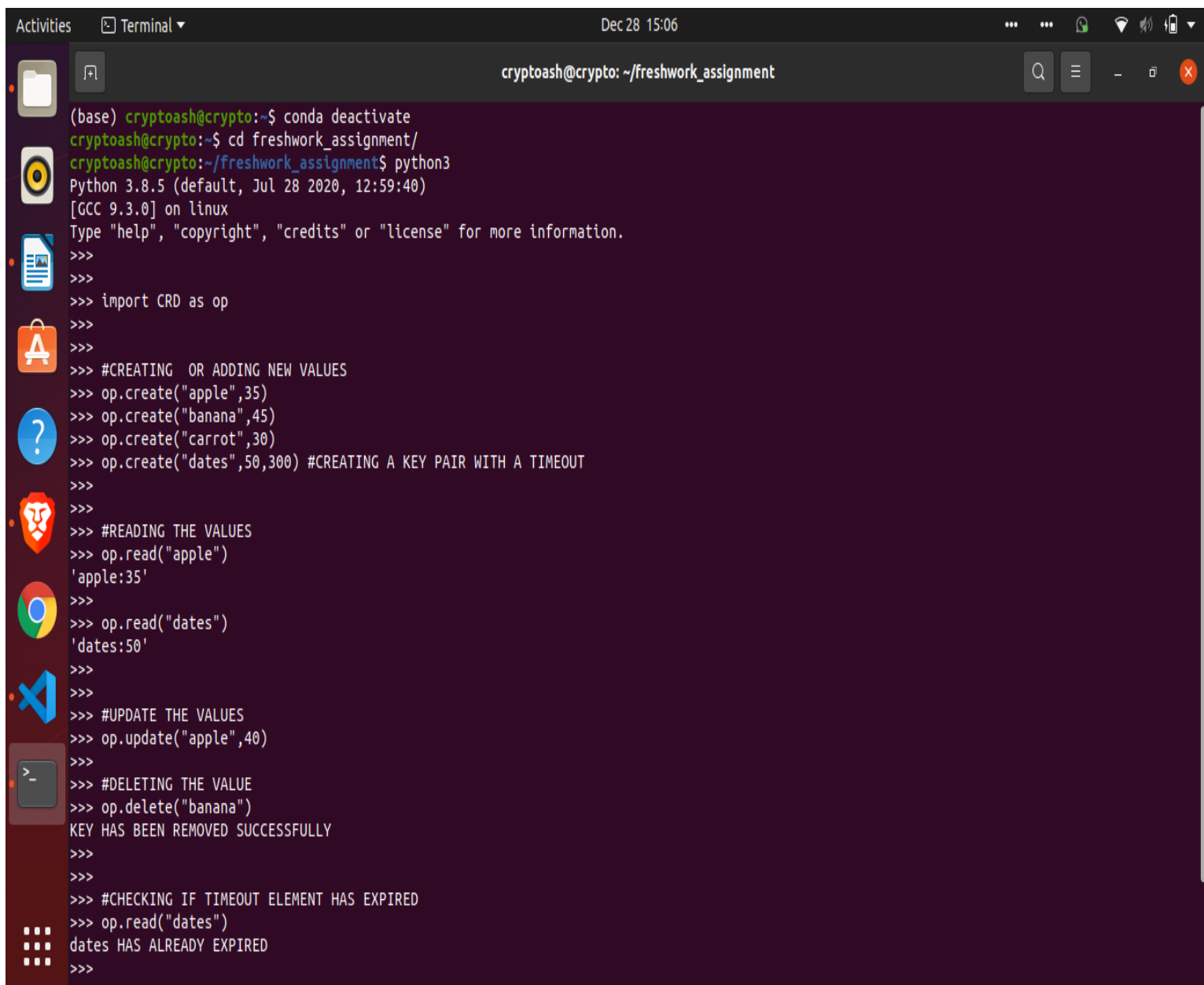


FRESHWORKS ASSIGNMENT

: -ASHWIN BALAKRISHNA

KEY-VALUE BASED CRD APPLICATION IMPLEMENTATION

The working has been explained step by step in the main.py file. The CRD.py file consists of the program and explanation of each operation.



```
Activities Terminal ▾ Dec 28 15:06
cryptoash@crypto: ~/freshwork_assignment

(base) cryptoash@crypto:~$ conda deactivate
cryptoash@crypto:~$ cd freshwork_assignment/
cryptoash@crypto:~/freshwork_assignment$ python3
Python 3.8.5 (default, Jul 28 2020, 12:59:40)
[GCC 9.3.0] on linux
Type "help", "copyright", "credits" or "license" for more information.
>>>
>>>
>>> import CRD as op
>>>
>>> #CREATING OR ADDING NEW VALUES
>>> op.create("apple",35)
>>> op.create("banana",45)
>>> op.create("carrot",30)
>>> op.create("dates",50,300) #CREATING A KEY PAIR WITH A TIMEOUT
>>>
>>> #READING THE VALUES
>>> op.read("apple")
'apple:35'
>>>
>>> op.read("dates")
'dates:50'
>>>
>>> #UPDATE THE VALUES
>>> op.update("apple",40)
>>>
>>> #DELETING THE VALUE
>>> op.delete("banana")
KEY HAS BEEN REMOVED SUCCESSFULLY
>>>
>>> #CHECKING IF TIMEOUT ELEMENT HAS EXPIRED
>>> op.read("dates")
dates HAS ALREADY EXPIRED
>>>
```