

## KEY VALUE DATA STORE - CRD OPERATION

This application consists of 3 files “main.py”, “access.py” & “hard.py”.

The main.py file acts as library file and holds the operations of Create, Read & Delete with respective error messages.

The “hard.py” file contains hard values of key, value & Timeout. This performs create, read & delete operation and also implements threading. Run this file to get output in terminal

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL 1: Code + [ ] [ ] ^ x
PS C:\Users\Ashwin\Desktop\Freshworks\FINAL (RD)> python -u "c:\Users\Ashwin\Desktop\Freshworks\FINAL (RD)\hard.py"
Key ashwin successfully created
ashwin:55
key ashwin is successfully deleted
Key ashwin successfully created
ashwin:55
key ashwin is successfully deleted
Key ashwin successfully created
ashwin:55
key ashwin is successfully deleted
Key ashwin successfully created
ashwin:55
key ashwin is successfully deleted
Key ashwin successfully created
ashwin:55
key ashwin is successfully deleted
Key ashwin successfully created
ashwin:55
key ashwin is successfully deleted
Bye
PS C:\Users\Ashwin\Desktop\Freshworks\FINAL (RD)> |
```

The “access.py” file gets input from the user and performs operations of create, read & delete based on user input with threading.

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL 1: Code + [ ] [ ] ^ x
PS C:\Users\Ashwin\Desktop\Freshworks\FINAL (RD)> python -u "c:\Users\Ashwin\Desktop\Freshworks\FINAL (RD)\access.py"
Press r to read, c to create d to delete and q to quit : c
Enter Key Name : abc
Enter Value : 123
Enter Expiry Time: 0
Key abc successfully created
Press R to read, C to create D to delete and Q to quit : r
Enter Key Name : abc
abc:123
Press R to read, C to create D to delete and Q to quit : c
Enter Key Name : qwe
Enter Value : 456
Enter Expiry Time: 10
Key qwe successfully created
Press R to read, C to create D to delete and Q to quit : r
Enter Key Name : qwe
qwe:456:10
Press R to read, C to create D to delete and Q to quit : r
Enter Key Name : qwe
ERROR: time-to-live of qwe has expired
Press R to read, C to create D to delete and Q to quit : d
Enter Key Name : qwe
Alert: Key qwe has been expired
Are you sure, want to delete this key : qwe ? y or n : y
Success: Key is successfully deleted
Press R to read, C to create D to delete and Q to quit : r
Enter Key Name : abc
abc:123
Press R to read, C to create D to delete and Q to quit : q
Program quitted successfully
```