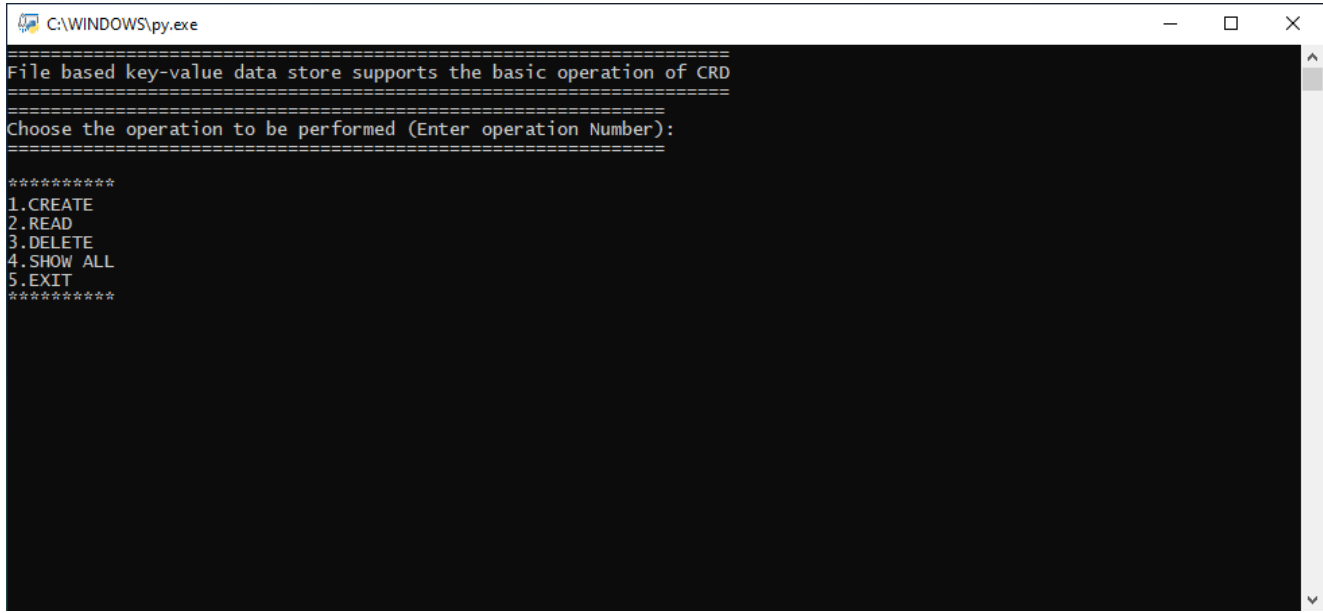


# File-Based Key-Value Data Store

## Outputs:

### Basic view:



```
C:\WINDOWS\py.exe

=====
File based key-value data store supports the basic operation of CRD
=====
Choose the operation to be performed (Enter operation Number):
=====

*****
1.CREATE
2.READ
3.DELETE
4.SHOW ALL
5.EXIT
*****
```

### Create operation:



```
C:\WINDOWS\py.exe

=====
File based key-value data store supports the basic operation of CRD
=====
Choose the operation to be performed (Enter operation Number):
=====

*****
1.CREATE
2.READ
3.DELETE
4.SHOW ALL
5.EXIT
*****
1

Enter the Key:
121

Enter the Value:
PRASANTH

Enter the Expiration Minute(s):
40

Successfully Created

-----
=====
```

# Create operation:

```
C:\WINDOWS\py.exe

=====
Choose the operation to be performed (Enter operation Number):
=====
*****
1.CREATE
2.READ
3.DELETE
4.SHOW ALL
5.EXIT
*****
1

Enter the Key:
122

Enter the Value:
PRABHU

Enter the Expiration Minute(s):
40

Successfully Created

=====
Choose the operation to be performed (Enter operation Number):
=====
```

```
C:\WINDOWS\py.exe

=====
Choose the operation to be performed (Enter operation Number):
=====
*****
1.CREATE
2.READ
3.DELETE
4.SHOW ALL
5.EXIT
*****
1

Enter the Key:
123

Enter the Value:
KISHORE

Enter the Expiration Minute(s):
40

Successfully Created

=====
Choose the operation to be performed (Enter operation Number):
=====
```

# Read operation:

```
C:\WINDOWS\py.exe

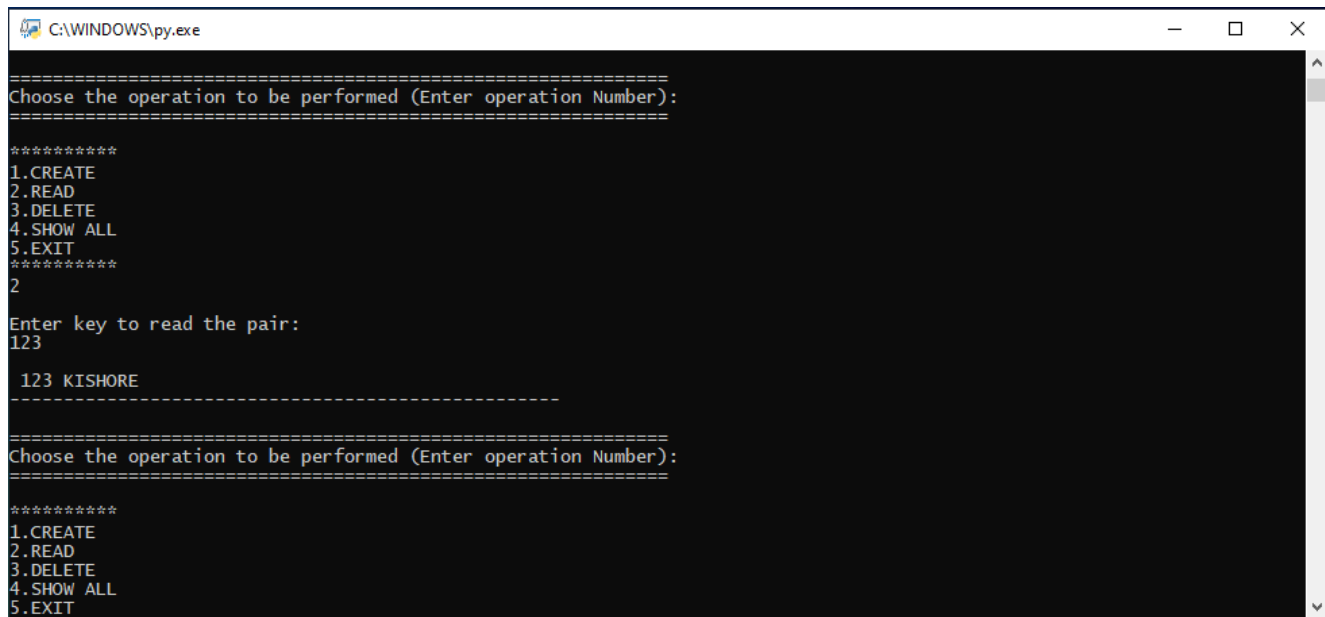
=====
Choose the operation to be performed (Enter operation Number):
=====
*****
1.CREATE
2.READ
3.DELETE
4.SHOW ALL
5.EXIT
*****
2

Enter key to read the pair:
121

121 PRASANTH

=====
Choose the operation to be performed (Enter operation Number):
=====
*****
1.CREATE
2.READ
3.DELETE
4.SHOW ALL
5.EXIT
*****
```

## Read operation:



```
C:\WINDOWS\py.exe

=====
Choose the operation to be performed (Enter operation Number):
=====

*****
1.CREATE
2.READ
3.DELETE
4.SHOW ALL
5.EXIT
*****
2

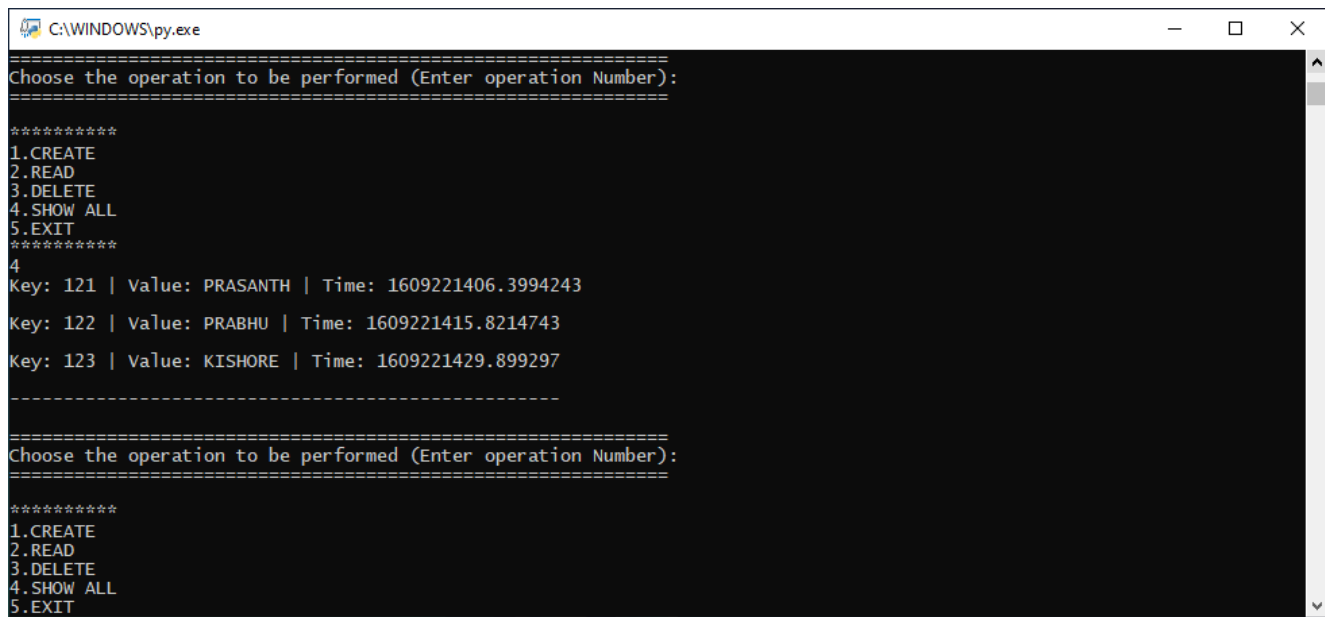
Enter key to read the pair:
123

-----
123 KISHORE
-----

=====
Choose the operation to be performed (Enter operation Number):
=====

*****
1.CREATE
2.READ
3.DELETE
4.SHOW ALL
5.EXIT
*****
```

## Show all operation:



```
C:\WINDOWS\py.exe

=====
Choose the operation to be performed (Enter operation Number):
=====

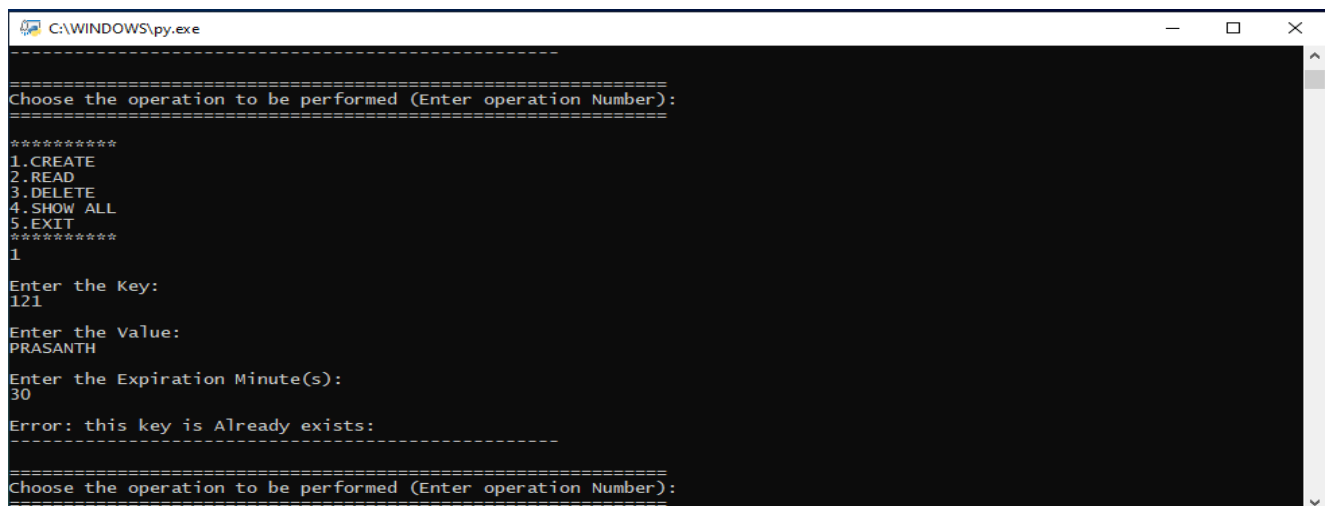
*****
1.CREATE
2.READ
3.DELETE
4.SHOW ALL
5.EXIT
*****
4

Key: 121 | Value: PRASANTH | Time: 1609221406.3994243
Key: 122 | Value: PRABHU | Time: 1609221415.8214743
Key: 123 | Value: KISHORE | Time: 1609221429.899297
-----

=====
Choose the operation to be performed (Enter operation Number):
=====

*****
1.CREATE
2.READ
3.DELETE
4.SHOW ALL
5.EXIT
*****
```

## Creating already existing key:



```
C:\WINDOWS\py.exe

=====
Choose the operation to be performed (Enter operation Number):
=====

*****
1.CREATE
2.READ
3.DELETE
4.SHOW ALL
5.EXIT
*****
1

Enter the Key:
121

Enter the Value:
PRASANTH

Enter the Expiration Minute(s):
30

Error: this key is Already exists:
-----

=====
Choose the operation to be performed (Enter operation Number):
=====
```

# Time expire:

```
Select C:\WINDOWS\py.exe

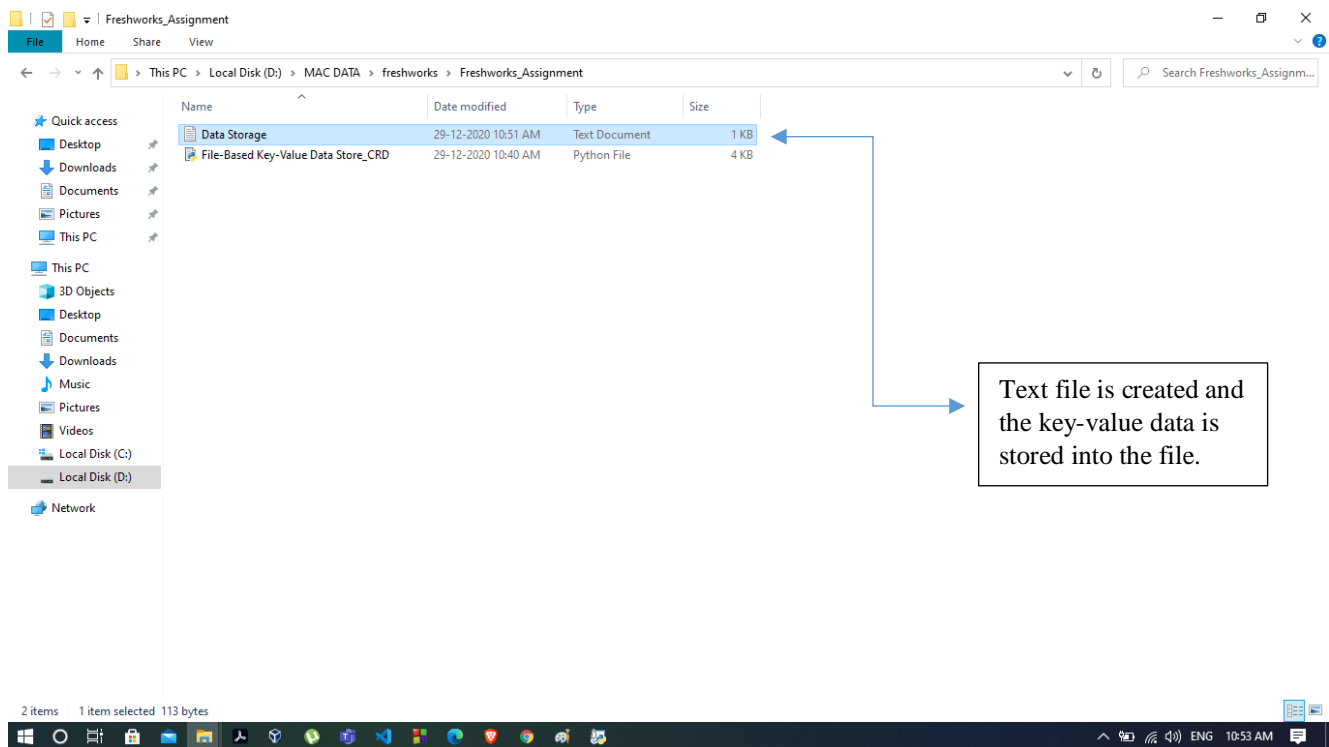
Choose the operation to be performed (Enter operation Number):
=====
1.CREATE
2.READ
3.DELETE
4.SHOW ALL
5.EXIT
=====
2

Enter key to read the pair:
12

Error: time to live expired
-----

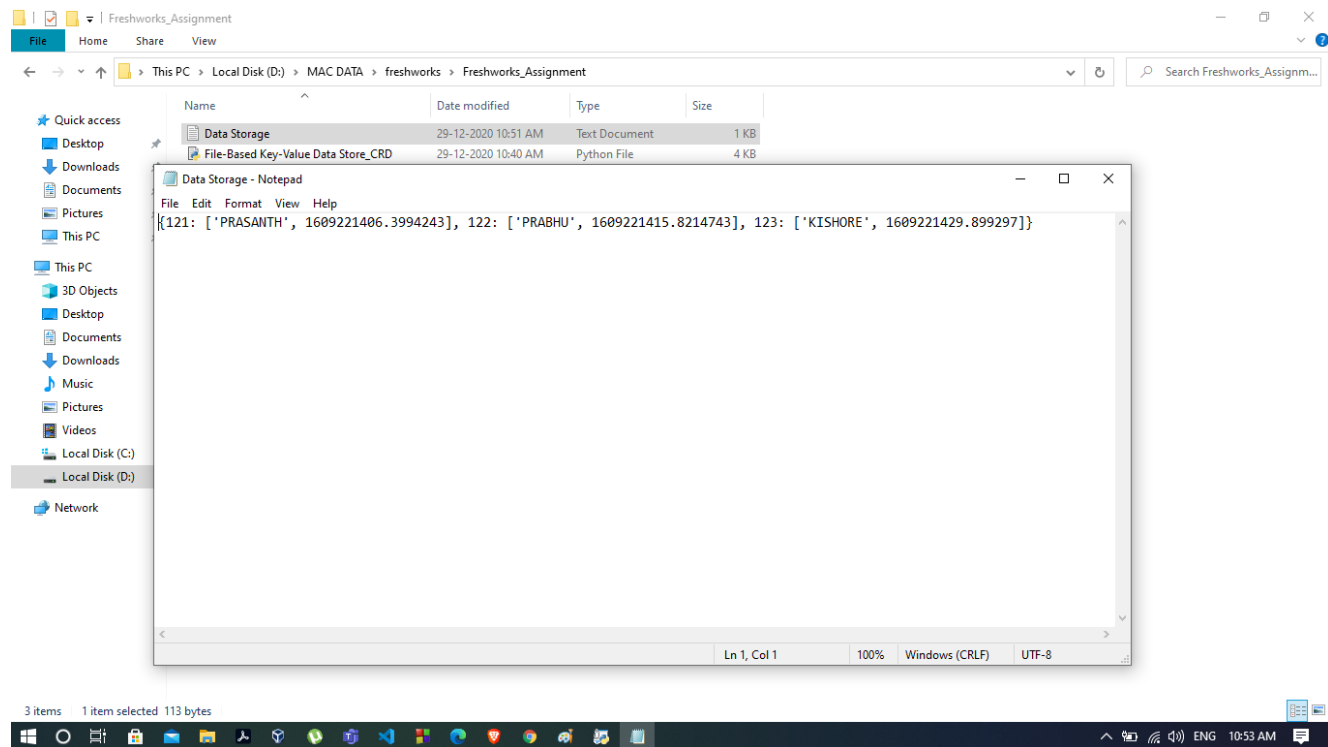
Choose the operation to be performed (Enter operation Number):
=====
1.CREATE
2.READ
3.DELETE
4.SHOW ALL
5.EXIT
=====
```

# Store location:

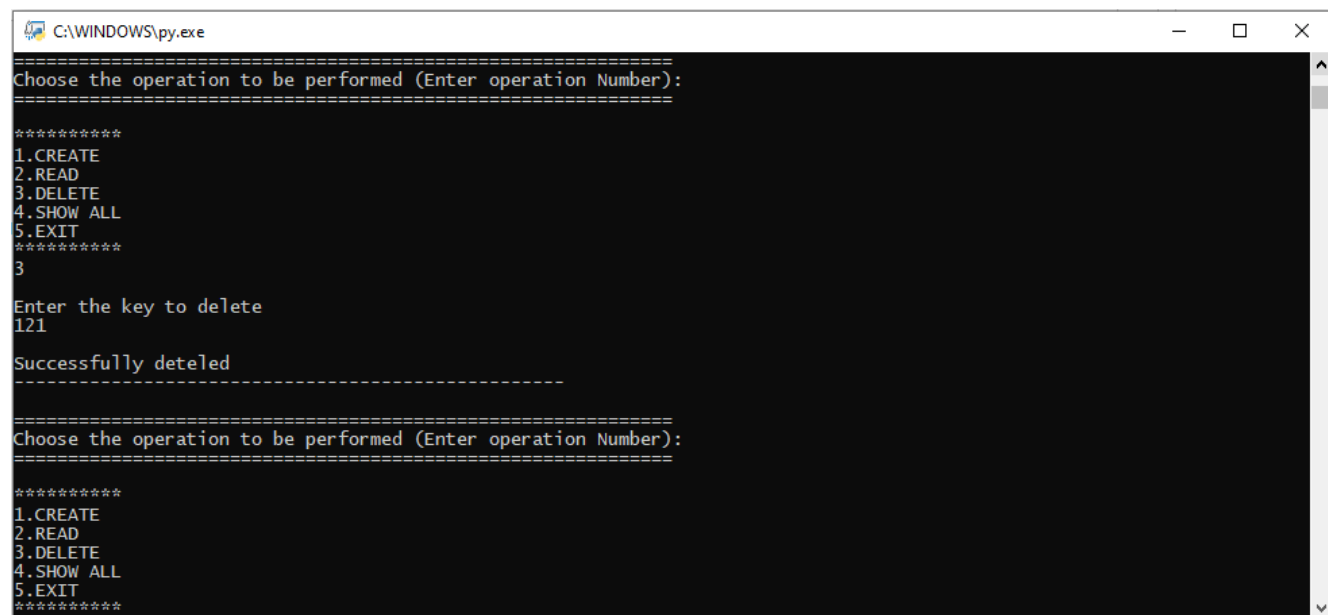


❖ Creating file as “Data Storage.txt”

# Inside the Storage.txt file:



# Delete operation:



## Delete the key not in the list:



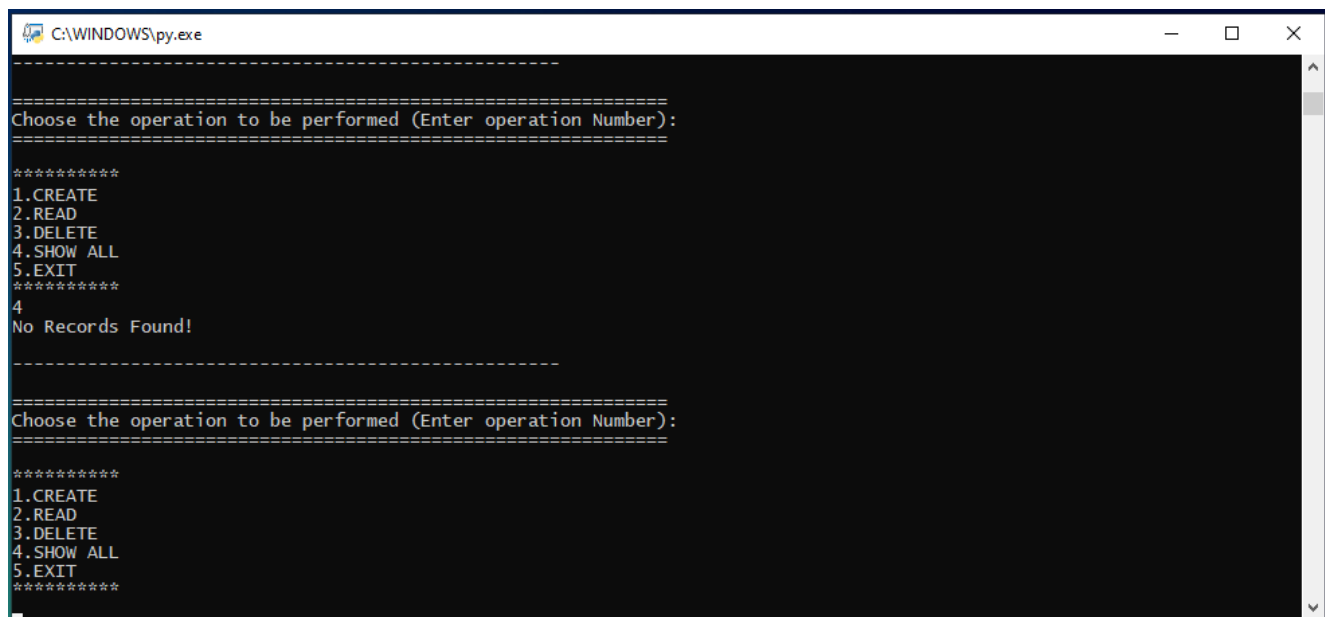
```
C:\WINDOWS\py.exe
=====
Choose the operation to be performed (Enter operation Number):
=====
*****
1.CREATE
2.READ
3.DELETE
4.SHOW ALL
5.EXIT
*****
3

Enter the key to delete
135

Error: Key does not Exist
-----

=====
Choose the operation to be performed (Enter operation Number):
=====
*****
1.CREATE
2.READ
3.DELETE
4.SHOW ALL
5.EXIT
*****
```

## Delete all:



```
C:\WINDOWS\py.exe
=====
Choose the operation to be performed (Enter operation Number):
=====
*****
1.CREATE
2.READ
3.DELETE
4.SHOW ALL
5.EXIT
*****
4

No Records Found!
-----

=====
Choose the operation to be performed (Enter operation Number):
=====
*****
1.CREATE
2.READ
3.DELETE
4.SHOW ALL
5.EXIT
*****
```

## Conclusion:

File-Based Key-Value Data Store with the basic Operation of [Create,Read,Delete].