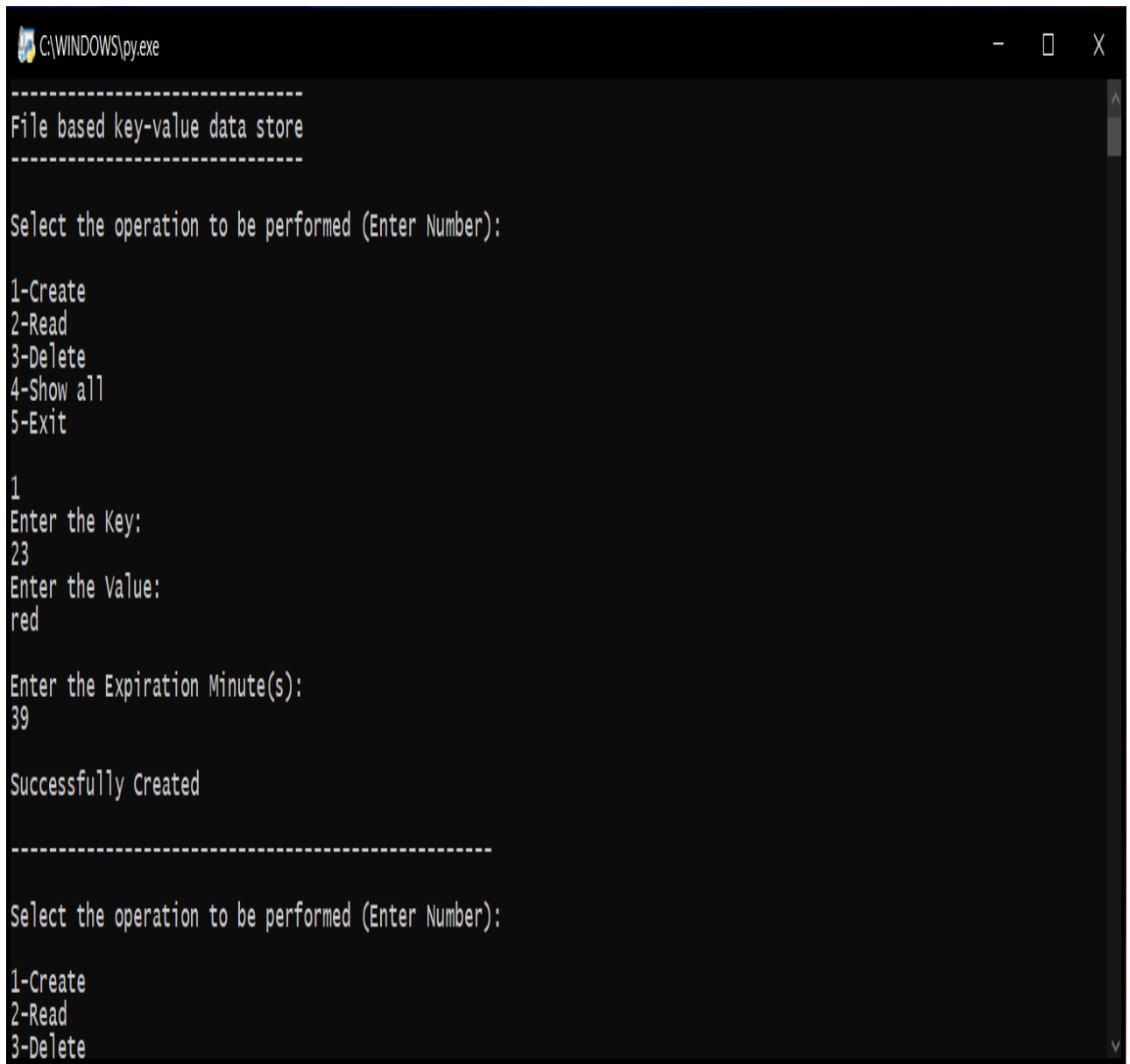


# A FILE-BASED KEY-VALUE DATA STORE WITH CRD

## OUTPUT SCREENSHOTS:



```
C:\WINDOWS\py.exe

-----
File based key-value data store
-----

Select the operation to be performed (Enter Number):

1-Create
2-Read
3-Delete
4-Show all
5-Exit

1
Enter the Key:
23
Enter the Value:
red

Enter the Expiration Minute(s):
39

Successfully Created

-----

Select the operation to be performed (Enter Number):

1-Create
2-Read
3-Delete
```

```
C:\WINDOWS\py.exe

Select the operation to be performed (Enter Number):

1-Create
2-Read
3-Delete
4-Show all
5-Exit

1
Enter the Key:
24
Enter the Value:
blue

Enter the Expiration Minute(s):
30

Successfully Created

-----

Select the operation to be performed (Enter Number):

1-Create
2-Read
3-Delete
4-Show all
5-Exit
```

```
C:\WINDOWS\py.exe

Select the operation to be performed (Enter Number):

1-Create
2-Read
3-Delete
4-Show all
5-Exit

1
Enter the Key:
25
Enter the Value:
green

Enter the Expiration Minute(s):
40

Successfully Created

-----

Select the operation to be performed (Enter Number):

1-Create
2-Read
3-Delete
4-Show all
5-Exit
```

```
C:\WINDOWS\py.exe
40
Successfully Created
-----
Select the operation to be performed (Enter Number):
1-Create
2-Read
3-Delete
4-Show all
5-Exit
2
Enter key to read the pair:
23

23 red
-----
Select the operation to be performed (Enter Number):
1-Create
2-Read
3-Delete
4-Show all
5-Exit
```

```
C:\WINDOWS\py.exe
23 red
-----
Select the operation to be performed (Enter Number):
1-Create
2-Read
3-Delete
4-Show all
5-Exit
4
Key: 23 | Value: red | Time: 1609167963.1376686
Key: 24 | Value: blue | Time: 1609167626.7944026
Key: 25 | Value: green | Time: 1609168602.6961696
-----
Select the operation to be performed (Enter Number):
1-Create
2-Read
3-Delete
4-Show all
5-Exit
```

```
C:\WINDOWS\py.exe

Key: 25 | Value: green | Time: 1609168602.6961696
-----

Select the operation to be performed (Enter Number):

1-Create
2-Read
3-Delete
4-Show all
5-Exit

3
Enter the key to delete

23
Successfully deleted

-----

Select the operation to be performed (Enter Number):

1-Create
2-Read
3-Delete
4-Show all
5-Exit
```

```
C:\WINDOWS\py.exe

23
Successfully deleted

-----

Select the operation to be performed (Enter Number):

1-Create
2-Read
3-Delete
4-Show all
5-Exit

3
Enter the key to delete

12
Error: Key does not Exist

-----

Select the operation to be performed (Enter Number):

1-Create
2-Read
3-Delete
4-Show all
5-Exit
```

```
C:\WINDOWS\py.exe

-----
Select the operation to be performed (Enter Number):

1-Create
2-Read
3-Delete
4-Show all
5-Exit

4
No Records Found!

-----
Select the operation to be performed (Enter Number):

1-Create
2-Read
3-Delete
4-Show all
5-Exit
```

```
C:\WINDOWS\py.exe

12
Error: Key does not Exist

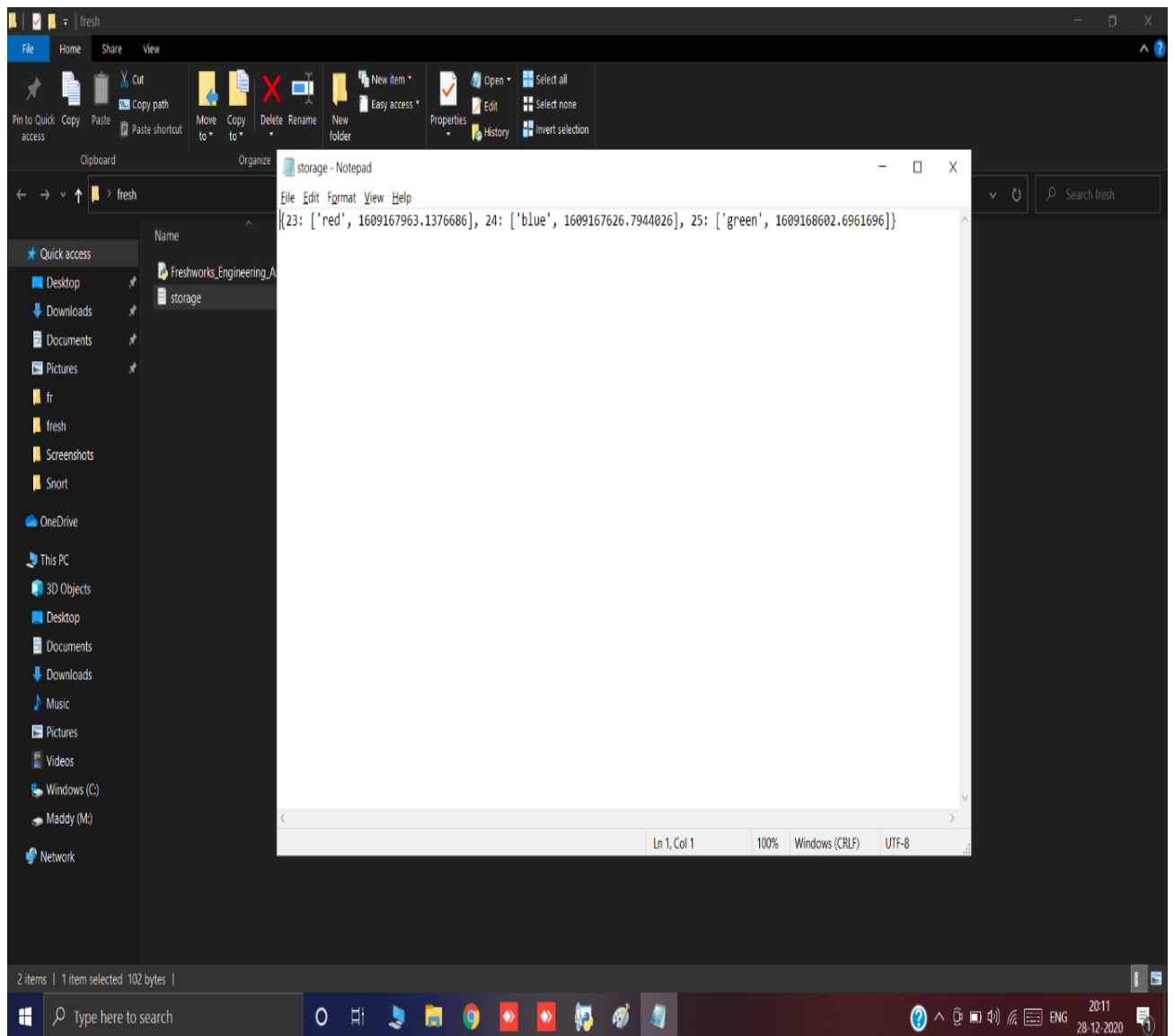
-----
Select the operation to be performed (Enter Number):

1-Create
2-Read
3-Delete
4-Show all
5-Exit

2
Enter key to read the pair:
31
Error: Key does not Exist

-----
Select the operation to be performed (Enter Number):

1-Create
2-Read
3-Delete
4-Show all
5-Exit
```



**The file is created in current path in the laptop. The key-value pair data is stored into the file.**