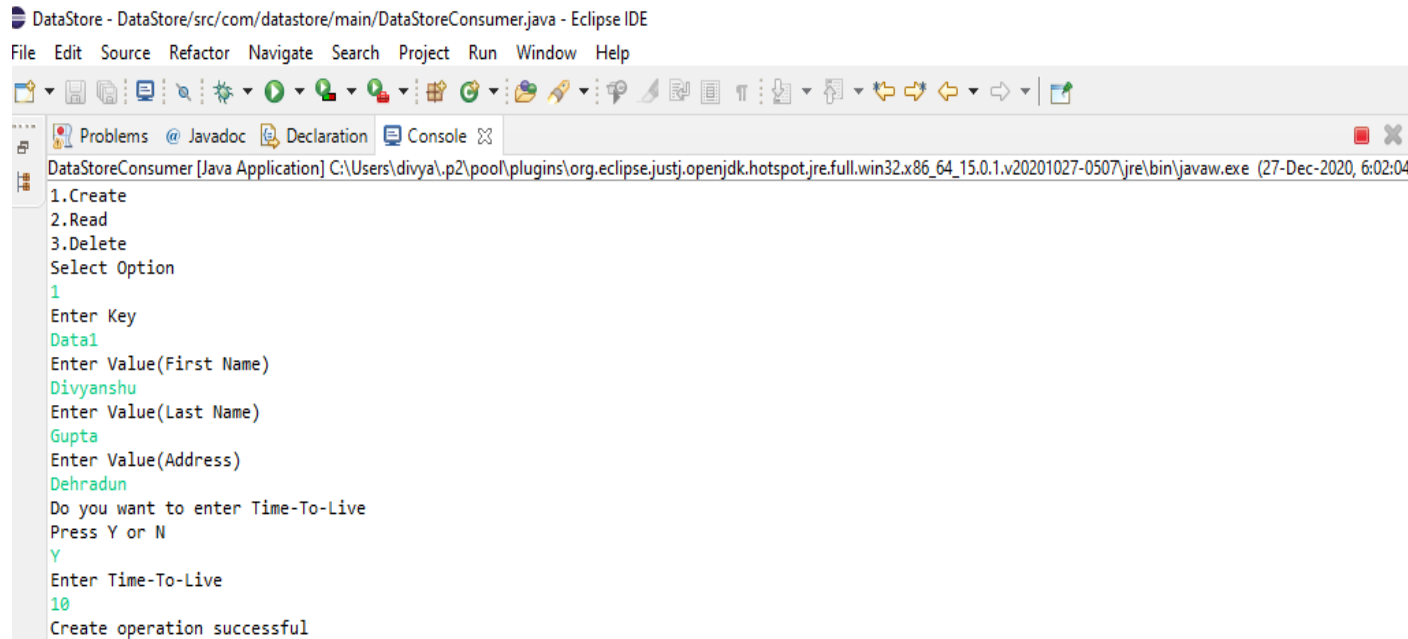


Freshworks – Backend Assignment

Create Operation

Create Operation with Key, Values and Time-To-Live



```
DataStore - DataStore/src/com/datastore/main/DataStoreConsumer.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
1.Create
2.Read
3.Delete
Select Option
1
Enter Key
Data1
Enter Value(First Name)
Divyanshu
Enter Value(Last Name)
Gupta
Enter Value(Address)
Dehradun
Do you want to enter Time-To-Live
Press Y or N
Y
Enter Time-To-Live
10
Create operation successful
```

Create Operation with Key, Values and without Time-To-Live

```
Select Option
1
Enter Key
Data2
Enter Value(First Name)
Dishu
Enter Value(Last Name)
Gupta
Enter Value(Address)
Dehradun
Do you want to enter Time-To-Live
Press Y or N
N
Create operation successful
Select Option
```

Create Operation with Same Key and different Values

```
Select Option
1
Enter Key
Data2
Enter Value(First Name)
Dishu
Enter Value>Last Name)
Gupta
Enter Value(Address)
Dehradun
Do you want to enter Time-To-Live
Press Y or N
n
Operation failed due to key already available
Select Option
```

Create Operation when key length exceeds the limit(32 chars)

```
Select Option
1
Enter Key
helloDataStoreThisIsKeyNameValidation
Enter Value(First Name)
Divyanshu
Enter Value>Last Name)
Gupta
Enter Value(Address)
Dehradun
Do you want to enter Time-To-Live
Press Y or N
n
Operation failed due to key length exceeded the limit(32chars)
Select Option
```

Read Operation

Read Operation when key is available or when Time-To-Live is not over

```
Select Option
2
Enter Key
Data2
{"firstName":"Dishu","lastName":"Gupta","address":"Dehradun"}
Select Option
```

Read Operation when key is not available or when Time-To-Live is over

```
Select Option
2
Enter Key
Data1
Operation failed due to key not available
Select Option
```

Read Operation when key length exceeds the limit(32 chars)

```
Select Option
2
Enter Key
helloDataStoreThisIsKeyNameValidation
Operation failed due to key length exceeded the limit(32chars)
Select Option
```

Delete Operation

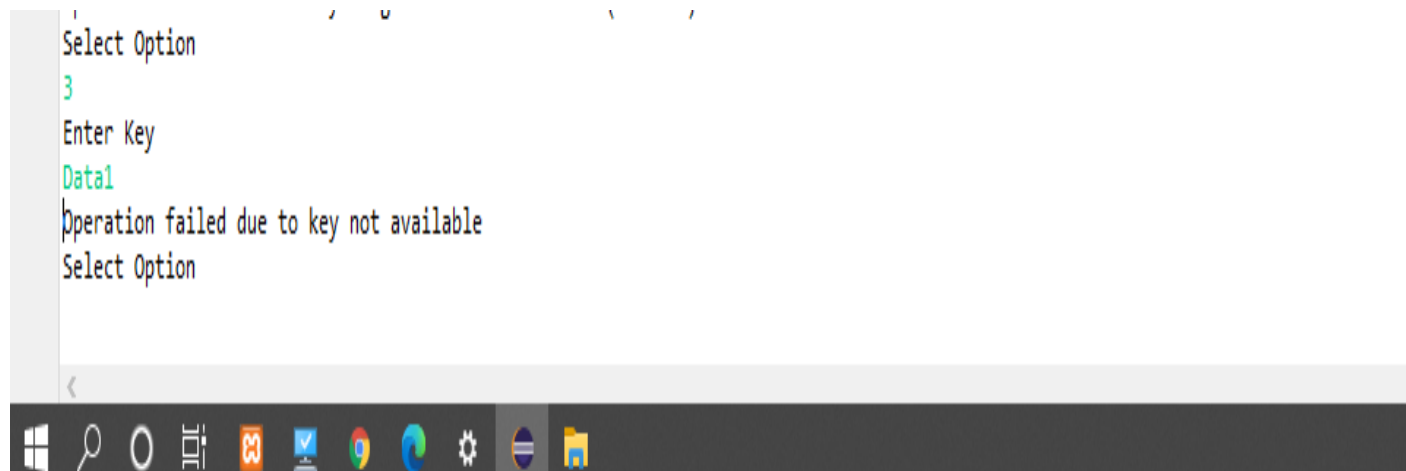
Delete Operation when key is available or when Time-To-Live is not over

```
Select Option
3
Enter Key
Data2
Record deletion successful
Select Option
```

A screenshot of a terminal window with a light gray background. The text is as follows: 'Select Option' followed by a green '3', 'Enter Key' followed by a green 'Data2', 'Record deletion successful', and 'Select Option'. The terminal has a dark gray taskbar at the bottom with various icons.

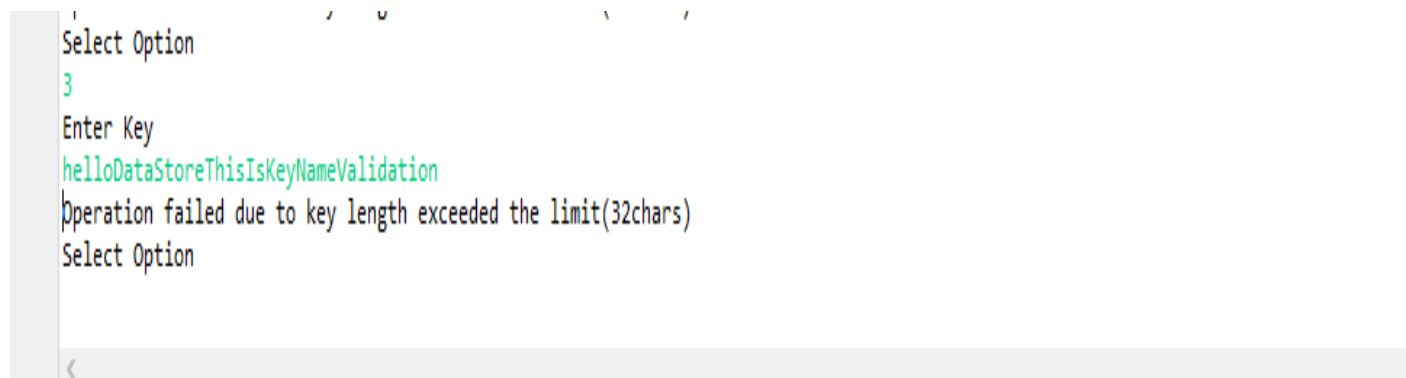
Delete Operation when key is not available or when Time-To-Live is over

```
Select Option
3
Enter Key
Data1
Operation failed due to key not available
Select Option
```

A screenshot of a terminal window with a light gray background. The text is as follows: 'Select Option' followed by a green '3', 'Enter Key' followed by a green 'Data1', 'Operation failed due to key not available', and 'Select Option'. The terminal has a dark gray taskbar at the bottom with various icons.

Delete Operation when key length exceeds the limit(32 chars)

```
Select Option
3
Enter Key
helloDataStoreThisIsKeyNameValidation
Operation failed due to key length exceeded the limit(32chars)
Select Option
```

A screenshot of a terminal window with a light gray background. The text is as follows: 'Select Option' followed by a green '3', 'Enter Key' followed by a green 'helloDataStoreThisIsKeyNameValidation', 'Operation failed due to key length exceeded the limit(32chars)', and 'Select Option'. The terminal has a dark gray taskbar at the bottom with various icons.