

File Based System perform CRD Operations - main.py

File Based System perform CRD Operations > main.py

Project

Performed × main ×

PyDev console: starting.

Python 3.8.3 (tags/v3.8.3:6f8c832, May 13 2020, 22:20:19) [MSC v.1925 32 bit (Intel)] on win32

```
>>> runfile('C:/Users/TUSHAR KUMAR/PycharmProjects/File Based System perform CRD Operations/main.py', wdir='C:/Users/TUSHAR KUMAR/PycharmProjects/File Based System perform CRD Operations')
>>> # The sample input and there output test case
>>> # first import the main file as library
>>>
>>> import main as a
>>>
>>> a.create("Sam",100)
>>> a.create("Ben",96)
>>> a.create("Bob",94,180)
>>> # 180 is 180 second = 3 minutes is the value of Time-To-Live
>>>
>>> a.read("Sam")
"Sam:100"
>>> a.read("Ben")
"Ben:96"
>>> #output in JSON object format
>>>
>>> # after three minutes
>>>
>>> a.read("Sam")
"Sam:100"
>>> a.read("Ben")
"Ben:96"
>>> a.read("Bob")
Error: time-to-live of Bob has been expired
>>>
```

Run TODO Problems Terminal Python Console

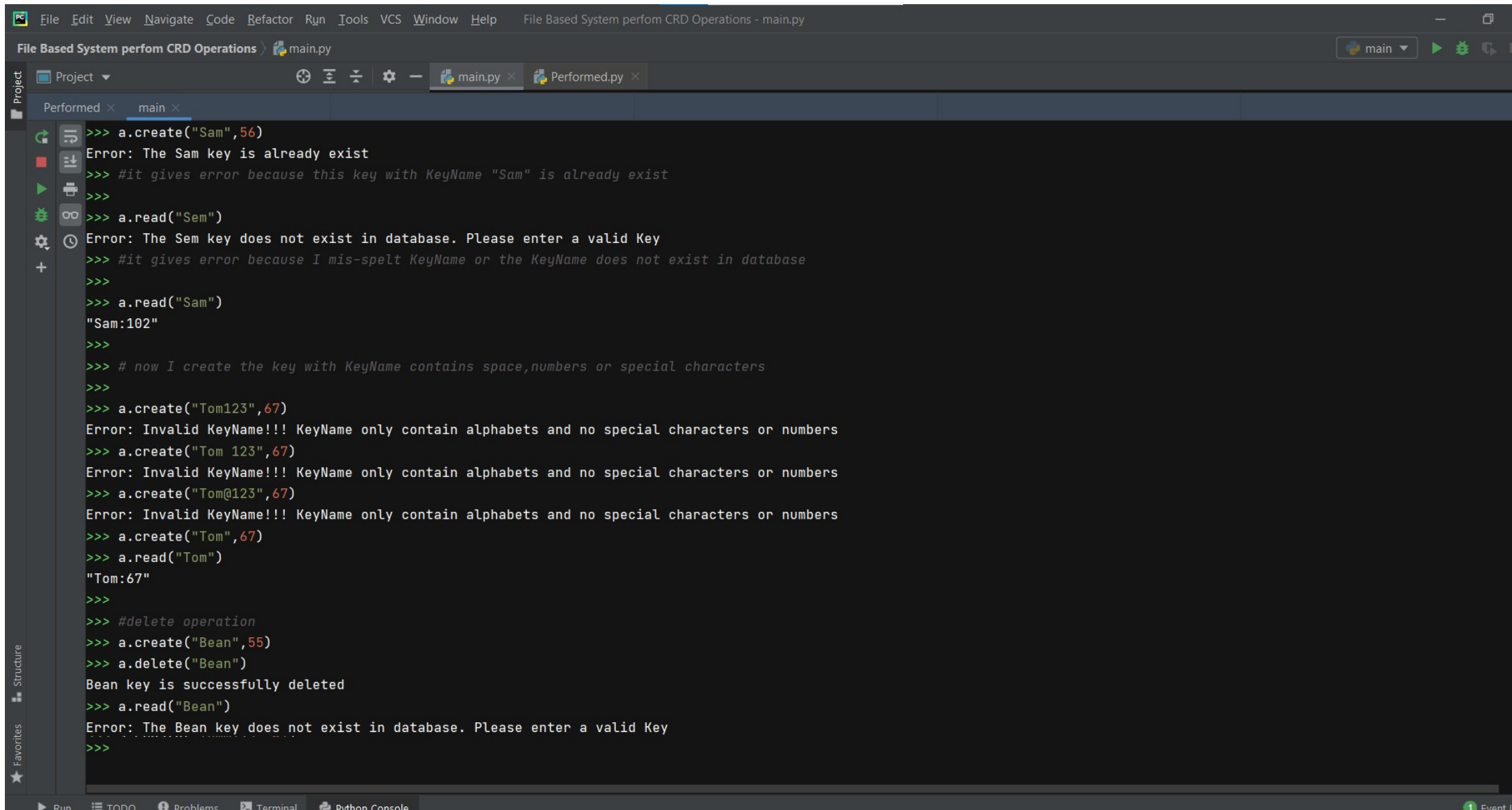
PyCharm 2020.3.1 available // Update... (43 minutes ago)

1:1 CRLF UTF-8 4 spaces Python 3.8 (File Based S...em perform CRD Operations)

Event Log

The screenshot shows an IDE window titled "File Based System perform CRD Operations - main.py". The interface includes a menu bar (File, Edit, View, Navigate, Code, Refactor, Run, Tools, VCS, Window, Help), a toolbar with icons for running, debugging, and other actions, and a sidebar with a "Project" view and a "Structure" view. The main editor area displays a Python script with the following content:

```
>>> a.read("Sam")
"Sam:100"
>>> a.read("Ben")
"Ben:96"
>>> #output in JSON object format
>>>
>>> # after three minutes
>>>
>>> a.read("Sam")
"Sam:100"
>>> a.read("Ben")
"Ben:96"
>>> a.read("Bob")
Error: time-to-live of Bob has been expired
>>>
>>> a.update("Sam",102)
Sam key is successfully updated
>>> #it update the value of "Sam" to the new value "102"
>>> a.read("Sam")
"Sam:102"
>>> # after updating the old value to the new value
>>>
>>> a.delete("Ben")
Ben key is successfully deleted
>>> # it delete the given key
>>> a.read("Ben")
Error: The Ben key does not exist in database. Please enter a valid Key
>>> # it gives error because this key does not exist in database
>>>
```



The screenshot shows an IDE window titled "File Based System perform CRD Operations - main.py". The editor displays a Python script with the following content:

```
>>> a.create("Sam",56)
Error: The Sam key is already exist
>>> #it gives error because this key with KeyName "Sam" is already exist
>>>
>>> a.read("Sem")
Error: The Sem key does not exist in database. Please enter a valid Key
>>> #it gives error because I mis-spelt KeyName or the KeyName does not exist in database
>>>
>>> a.read("Sam")
"Sam:102"
>>>
>>> # now I create the key with KeyName contains space,numbers or special characters
>>>
>>> a.create("Tom123",67)
Error: Invalid KeyName!!! KeyName only contain alphabets and no special characters or numbers
>>> a.create("Tom 123",67)
Error: Invalid KeyName!!! KeyName only contain alphabets and no special characters or numbers
>>> a.create("Tom@123",67)
Error: Invalid KeyName!!! KeyName only contain alphabets and no special characters or numbers
>>> a.create("Tom",67)
>>> a.read("Tom")
"Tom:67"
>>>
>>> #delete operation
>>> a.create("Bean",55)
>>> a.delete("Bean")
Bean key is successfully deleted
>>> a.read("Bean")
Error: The Bean key does not exist in database. Please enter a valid Key
>>>
```

The IDE interface includes a menu bar (File, Edit, View, Navigate, Code, Refactor, Run, Tools, VCS, Window, Help), a toolbar with icons for running, debugging, and other actions, and a sidebar with tabs for Project, Structure, and Favorites. The bottom status bar shows "Run", "TODO", "Problems", "Terminal", "Python Console", and "Event 1".

```
File Edit View Navigate Code Refactor Run Tools VCS Window Help File Based System perform CRD Operations - main.py
File Based System perform CRD Operations > main.py
Project
main.py x Performed.py x
Performed x main x
>>>
>>> # now I create the key with KeyName contains space,numbers or special characters
>>>
>>> a.create("Tom123",67)
Error: Invalid KeyName!!! KeyName only contain alphabets and no special characters or numbers
>>> a.create("Tom 123",67)
Error: Invalid KeyName!!! KeyName only contain alphabets and no special characters or numbers
>>> a.create("Tom@123",67)
Error: Invalid KeyName!!! KeyName only contain alphabets and no special characters or numbers
>>> a.create("Tom",67)
>>> a.read("Tom")
"Tom:67"
>>>
>>> #delete operation
>>> a.create("Bean",55)
>>> a.delete("Bean")
Bean key is successfully deleted
>>> a.read("Bean")
Error: The Bean key does not exist in database. Please enter a valid Key
>>>
>>> #update operation
>>> a.create("Jerry",599)
>>> a.read("Jerry")
"Jerry:599"
>>> a.update("Jerry",400)
Jerry key is successfully updated
>>> a.read("Jerry")
"Jerry:400"
>>> |
```

PyCharm 2020.3.1 available // Update... (57 minutes ago) 1:1 CRLF UTF-8 4 spaces Python 3.8 (File Based System perform CRD Operations)