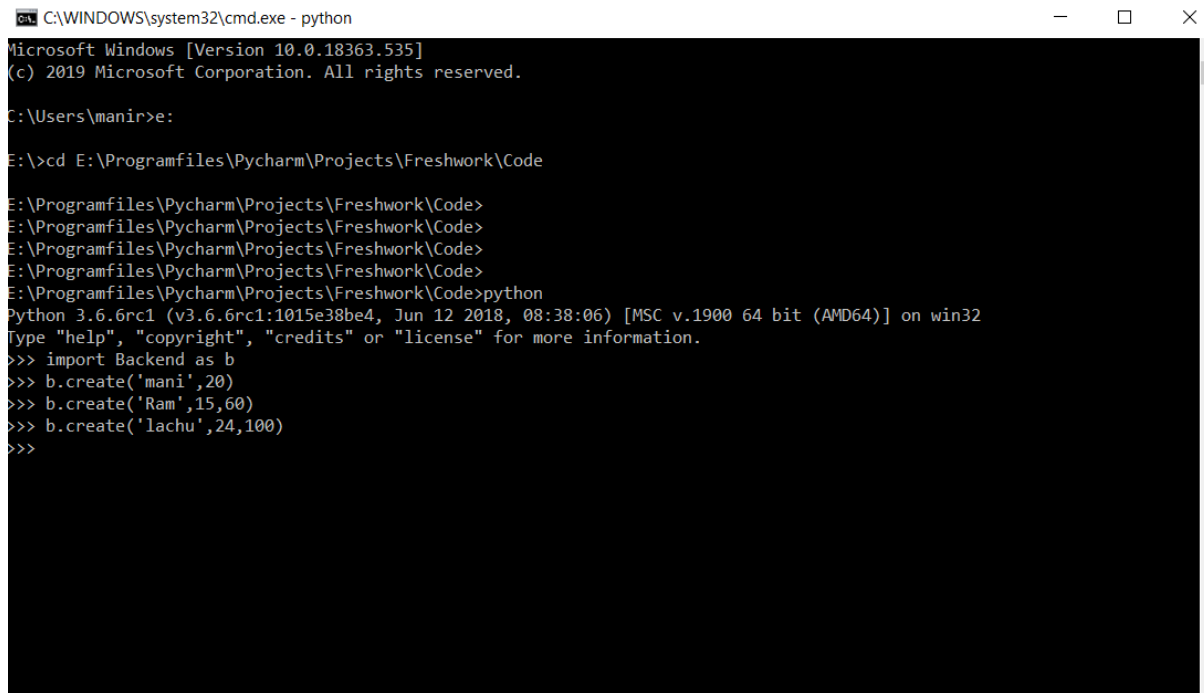Output:

1. Key-value pair creation:
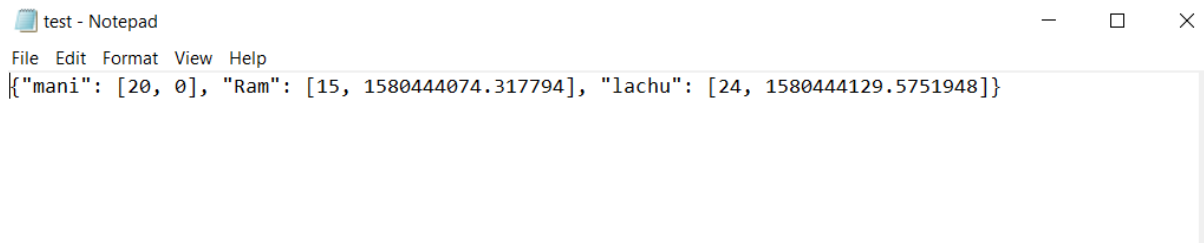


```
Microsoft Windows [Version 10.0.18363.535]
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C:\Users\manir>e:

E:\>cd E:\Programfiles\Pycharm\Projects\Freshwork\Code

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E:\Programfiles\Pycharm\Projects\Freshwork\Code>
E:\Programfiles\Pycharm\Projects\Freshwork\Code>
E:\Programfiles\Pycharm\Projects\Freshwork\Code>
E:\Programfiles\Pycharm\Projects\Freshwork\Code>python
Python 3.6.6rc1 (v3.6.6rc1:1015e38be4, Jun 12 2018, 08:38:06) [MSC v.1900 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license" for more information.
>>> import Backend as b
>>> b.create('mani',20)
>>> b.create('Ram',15,60)
>>> b.create('lachu',24,100)
>>>
```

File output:


```
{"mani": [20, 0], "Ram": [15, 1580444074.317794], "lachu": [24, 1580444129.5751948]}
```

2. Time to Live expired

```
C:\WINDOWS\system32\cmd.exe - python                                    —    □    ×

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C:\Users\manir>e:

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E:\Programfiles\Pycharm\Projects\Freshwork\Code>
E:\Programfiles\Pycharm\Projects\Freshwork\Code>python
Python 3.6.6rc1 (v3.6.6rc1:1015e38be4, Jun 12 2018, 08:38:06) [MSC v.1900 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license" for more information.
>>> import Backend as b
>>> b.create('mani',20)
>>> b.create('Ram',15,60)
>>> b.create('lachu',24,100)
>>> b.read('Ram')
{"Ram": 15}
>>> b.modify('Ram',29)
Error: Time-to-Live of  Ram  has expired
>>> b.read('Ram')
Error: Time-to-Live of  Ram  has expired
>>>
```

```
*test - Notepad                                                          —    □    ×

File  Edit  Format  View  Help
{"mani": [20, 0], "Ram": [15, 1580444074.317794], "lachu": [24, 1580444129.5751948],
"Malar": [24, 1580444211.279232]}
```

3. Modification and Deletion

```
C:\WINDOWS\system32\cmd.exe - python

E:\>cd E:\Programfiles\Pycharm\Projects\Freshwork\Code

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E:\Programfiles\Pycharm\Projects\Freshwork\Code>
E:\Programfiles\Pycharm\Projects\Freshwork\Code>
E:\Programfiles\Pycharm\Projects\Freshwork\Code>
E:\Programfiles\Pycharm\Projects\Freshwork\Code>python
Python 3.6.6rc1 (v3.6.6rc1:1015e38be4, Jun 12 2018, 08:38:06) [MSC v.1900 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license" for more information.
>>> import Backend as b
>>> b.create('mani',20)
>>> b.create('Ram',15,60)
>>> b.create('lachu',24,100)
>>> b.read('Ram')
{"Ram": 15}
>>> b.modify('Ram',29)
Error: Time-to-Live of  Ram  has expired
>>> b.read('Ram')
Error: Time-to-Live of  Ram  has expired
>>> b.modify('lachu',10)
Error: Time-to-Live of  lachu  has expired
>>> b.create('Malar',20,60)
>>> b.read('Malar')
{"Malar": 20}
>>> b.modify('Malar',24)
>>> b.delete('Malar')
>>> Error: Time-to-Live of  Malar  has expired
b.delete('mani')
>>> mani deleted successfully
```

```
test - Notepad

File   Edit   Format   View   Help
{"Ram": [15, 1580444074.317794], "lachu": [24, 1580444129.5751948], "Malar": [24, 1580444211.279232]
```