

Spyder (Python 3.8)

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C:\Users\91994\Documents\python programs\elizabethfactrecursive.py

```
1 # -*- coding: utf-8 -*-
2 """
3 Created on Mon Jun 28 10:01:20 2021
4
5 @author: 91994
6 """
7
8 def fact(n):
9     if n==1:
10         return n
11     else:
12         return n*fact(n-1)
13 num=int(input("enter number:"))
14 print("factorial of",num,"=",fact(num))
```

Usage

Here you can get help of any object by pressing **Ctrl+I** in front of it, either on the Editor or the Console.

Help can also be shown automatically after writing a left parenthesis next to an object. You can activate this behavior in *Preferences > Help*.

[New to Spyder? Read our tutorial](#)

Variable explorer Help Plots Files

Console 1/A

IPython 7.19.0 -- An enhanced Interactive Python.

```
In [1]: runfile('C:/Users/91994/Documents/python programs/single string.py',
wdir='C:/Users/91994/Documents/python programs')

Enter the first String : elu

Enter the second String : elizabeth
elu elizabeth

In [2]: runfile('C:/Users/91994/Documents/python programs/
elizabethfactrecursive.py', wdir='C:/Users/91994/Documents/python programs')

enter number:5
factorial of 5 = 120

In [3]: |
```

IPython console History

LSP Python: ready conda: base (Python 3.8.5) Line 14, Col 1 UTF-8 CRLF RW Mem 49%

Type here to search

30°C 10:06 AM 6/28/2021

```
1  # -*- coding: utf-8 -*-
2  """
3  Created on Mon Jun 28 10:27:20 2021
4
5  @author: 91994
6  """
7
8  aa=input("enter the list elements seperated by commas :")
9  a,s=list(map(int,aa.split(","))),[]
10 n=int(input("enter the value of limit :"))
11 for i in range(n):
12     for j in a:
13         if j==2*i:
14             s.append(j)
15 print("output list is :",s)
16
17
18
```

return

No further documentation available

```
In [6]: runfile('C:/Users/91994/Documents/python programs/
elizabethpower2.py', wdir='C:/Users/91994/Documents/python programs')
```

```
enter the list elements seperated by commas :4,32,64,81
```

```
enter the value of limit :4
output list is : [4]
```

```
In [7]: runfile('C:/Users/91994/Documents/python programs/
elizabethpower2.py', wdir='C:/Users/91994/Documents/python programs')
```

```
enter the list elements seperated by commas :4,8,64,45,80
```

```
enter the value of limit :10
output list is : [4, 8, 64]
```

```
In [8]: |
```

```
1  # -*- coding: utf-8 -*-
2  """
3  Created on Mon Jun 28 10:44:01 2021
4
5  @author: 91994
6  """
7
8  with open('test.txt', 'r+') as f:
9      for file in f.readlines():
10         print(file.title())
```

return

No further documentation available

```
File "C:\Users\91994\Documents\python programs\elizabethfile.py", line 8,
in <module>
    with open('test.txt', 'r+') as f:

FileNotFoundError: [Errno 2] No such file or directory: 'test.txt'

In [11]: runfile('C:/Users/91994/Documents/python programs/elizabethfile.py',
wdir='C:/Users/91994/Documents/python programs')
Hello India

In [12]: runfile('C:/Users/91994/Documents/python programs/elizabethfile.py',
wdir='C:/Users/91994/Documents/python programs')
Hello India Welcome To All

In [13]:
```