

Errors

May 8, 2023

[2]: *# This code has an intentional error. You can type it directly or use it for reference to understand the error messsge below.*

```
def favorite_ice_cream():
    ice_creams = [
        'chocolate',
        'vanilla',
        'strawberry',
    ]
    print(ice_creams[3])

favorite_ice_cream()
```

Traceback (most recent call last)

```
<ipython-input-2-40859fcaf1a4> in <module>
     9     print(ice_creams[3])
    10
---> 11 favorite_ice_cream()

<ipython-input-2-40859fcaf1a4> in favorite_ice_cream()
     7         'strawberry',
     8     ]
----> 9     print(ice_creams[3])
    10
    11 favorite_ice_cream()
```

IndexError: list index out of range

```
[5]: def some_function():
      msg = 'hello, world!'
      print(msg)
      return msg
```

```
[6]: print(a)
```

```

↳ -----
NameError                                Traceback (most recent call↳
↳ last)

    <ipython-input-6-bca0e2660b9f> in <module>
    ----> 1 print(a)

NameError: name 'a' is not defined
```

```
[8]: print('hello')
```

hello

```
[9]: count = 0

for number in range(10):
    count = count + number
print('The count is:', count)
```

The count is: 45

```
[13]: letters = ['a', 'b', 'c']

print('Letter #1 is', letters[0])
print('Letter #2 is', letters[1])
print('Letter #3 is', letters[2])
# print('Letter #4 is', letters[3])
```

Letter #1 is a
Letter #2 is b
Letter #3 is c

```
[15]: file_handle = open('myfile.txt', 'w')
```

```
[ ]:
```