

```
In [ ]: # Exception Handling
```

```
    # Syntax Error  
    # Logical error
```

```
In [5]: from datetime import datetime, timedelta
```

```
In [7]: timedelta()
```

```
Out[7]: datetime.timedelta(0)
```

```
In [ ]: # try:  
        #     pass  
        # except:  
        #     pass
```

```
In [12]: i = 0  
        while i 10:  
            i = i +1  
            print(i)
```

```
Cell In[12], line 2  
    while i 10:  
          ^  
SyntaxError: invalid syntax
```

```
In [4]: a = 8
```

```
if a> 4:
```

```
Cell In[4], line 3  
    if a> 4:  
          ^  
SyntaxError: unexpected EOF while parsing
```

```
In [7]: for i range(5):  
        print(i)
```

```
Cell In[7], line 1  
    for i range(5):  
          ^  
SyntaxError: invalid syntax
```

```
In [9]: def calculate(n1,n2):  
        return n1 / n2
```

```
In [10]: calculate(20,10)
```

```
Out[10]: 2.0
```

```
In [11]: calculate(20,0)
```

```
-----  
ZeroDivisionError                                Traceback (most recent call last)  
Cell In[11], line 1  
----> 1 calculate(20,0)  
  
Cell In[9], line 2, in calculate(n1, n2)  
      1 def calculate(n1,n2):  
----> 2     return n1 / n2  
  
ZeroDivisionError: division by zero
```

```
In [12]: open('demo1.txt')
```

```
-----  
FileNotFoundError                                Traceback (most recent call last)  
Cell In[12], line 1  
----> 1 open('demo1.txt')  
  
File ~\AppData\Local\Programs\Python\Python38\lib\site-packages\IPython\core  
\interactiveshell.py:282, in _modified_open(file, *args, **kwargs)  
    275 if file in {0, 1, 2}:  
    276     raise ValueError(  
    277         f"IPython won't let you open fd={file} by default "  
    278         "as it is likely to crash IPython. If you know what you are d  
    oing, "  
    279         "you can use builtins' open."  
    280     )  
--> 282 return io_open(file, *args, **kwargs)  
  
FileNotFoundError: [Errno 2] No such file or directory: 'demo1.txt'
```

```
In [13]: b = 100
```

```
In [14]: if c > 100: print(c)
```

```
-----  
NameError                                Traceback (most recent call last)  
Cell In[14], line 1  
----> 1 if c > 100: print(c)  
  
NameError: name 'c' is not defined
```

```
In [ ]:
```