In [1]:
```
exmp2 = '/resources/data/Example2.txt'
with open(exmp2, 'w') as writefile:
    writefile.write("This is line A")
```

```
---------------------------------------------------------------------
----
FileNotFoundError                         Traceback (most recent call l
ast)
<ipython-input-1-dbc0015fb0ef> in <module>
      1 exmp2 = '/resources/data/Example2.txt'
----> 2 with open(exmp2, 'w') as writefile:
      3     writefile.write("This is line A")

FileNotFoundError: [Errno 2] No such file or directory: '/resources/dat
a/Example2.txt'
```

In [2]:
```
with open(exmp2, 'r') as testwritefile:
    print(testwritefile.read())
```

```
---------------------------------------------------------------------
----
FileNotFoundError                         Traceback (most recent call l
ast)
<ipython-input-2-012e8843f09f> in <module>
----> 1 with open(exmp2, 'r') as testwritefile:
      2     print(testwritefile.read())

FileNotFoundError: [Errno 2] No such file or directory: '/resources/dat
a/Example2.txt'
```

In [3]:
```
with open(exmp2, 'w') as writefile:
    writefile.write("This is line A\n")
    writefile.write("This is line B\n")
```

```
---------------------------------------------------------------------
----
```

```
FileNotFoundError                         Traceback (most recent call l
ast)
<ipython-input-3-bc4293d9124c> in <module>
----> 1 with open(exmp2, 'w') as writefile:
      2     writefile.write("This is line A\n")
      3     writefile.write("This is line B\n")

FileNotFoundError: [Errno 2] No such file or directory: '/resources/dat
a/Example2.txt'
```

In [4]:
```
with open(exmp2, 'r') as testwritefile:
    print(testwritefile.read())
```

```
---------------------------------------------------------------------------
----
FileNotFoundError                         Traceback (most recent call l
ast)
<ipython-input-4-012e8843f09f> in <module>
----> 1 with open(exmp2, 'r') as testwritefile:
      2     print(testwritefile.read())

FileNotFoundError: [Errno 2] No such file or directory: '/resources/dat
a/Example2.txt'
```

In [5]:
```
Lines = ["This is line A\n", "This is line B\n", "This is line C\n"]
Lines
```

Out[5]:
```
['This is line A\n', 'This is line B\n', 'This is line C\n']
```

In [6]:
```
with open('Example2.txt', 'w') as writefile:
    for line in Lines:
        print(line)
        writefile.write(line)
```

```
This is line A

This is line B
```

```
This is line C
```

In [7]:
```
with open('Example2.txt', 'r') as testwritefile:
    print(testwritefile.read())
```

```
This is line A
This is line B
This is line C
```

In [8]:
```
with open('Example2.txt', 'w') as writefile:
    writefile.write("Overwrite\n")
with open('Example2.txt', 'r') as testwritefile:
    print(testwritefile.read())
```

```
Overwrite
```

In [9]:
```
with open('Example2.txt', 'a') as testwritefile:
    testwritefile.write("This is line C\n")
    testwritefile.write("This is line D\n")
    testwritefile.write("This is line E\n")
```

In [10]:
```
with open('Example2.txt', 'r') as testwritefile:
    print(testwritefile.read())
```

```
Overwrite
This is line C
This is line D
This is line E
```

In [11]:
```
with open('Example2.txt', 'a+') as testwritefile:
    testwritefile.write("This is line E\n")
    print(testwritefile.read())
```

In [12]:
```
with open('Example2.txt', 'a+') as testwritefile:
    testwritefile.write("This is line E\n")
    print(testwritefile.read())
```

In [13]:
```
with open('Example2.txt', 'a+') as testwritefile:
    print("Initial Location: {}".format(testwritefile.tell()))

    data = testwritefile.read()
    if (not data):  #empty strings return false in python
            print('Read nothing')
    else:
            print(testwritefile.read())

    testwritefile.seek(0,0) # move 0 bytes from beginning.

    print("\nNew Location : {}".format(testwritefile.tell()))
    data = testwritefile.read()
    if (not data):
            print('Read nothing')
    else:
            print(data)

    print("Location after read: {}".format(testwritefile.tell()) )
```

```
Initial Location: 85
Read nothing

New Location : 0
Overwrite
This is line C
This is line D
This is line E
This is line E
This is line E

Location after read: 85
```

In [14]:
```
with open('Example2.txt', 'r+') as testwritefile:
    data = testwritefile.readlines()
    testwritefile.seek(0,0) #write at beginning of file

    testwritefile.write("Line 1" + "\n")
    testwritefile.write("Line 2" + "\n")
    testwritefile.write("Line 3" + "\n")
    testwritefile.write("finished\n")
    #Uncomment the line below
    #testwritefile.truncate()
    testwritefile.seek(0,0)
    print(testwritefile.read())
```

```
Line 1
Line 2
Line 3
finished
is line D
This is line E
This is line E
This is line E
```

In [ ]:
```

```