

WORKING WITH TXT FILES

- Text files are a built-in Python feature. No import modules required.
- Text files have the .txt format.
- Use either **open** or **with open** to either write or read a txt file
- Use one of four modes for txt files:
 - **"w"** for writing
 - **"r"** for reading
 - **"r+"** for both reading and writing
 - **"a"** for appending new written lines

In [8]:

```
desk = "C:/Users/Michael/Desktop/"
f = open(desk + "first.txt", "w")
f.write("This is my first file!")
f.write("\nHello world!")
f.close()
```

In [9]:

```
f1 = open(desk + "first.txt", "a")
f1.write("\nGood Night!")
f1.close()
```

In [10]:

```
with open(desk + "first.txt", "a") as g:
    g.write("\nCool!")
```

In [11]:

```
f2 = open(desk + "first.txt", "r")
print(f2.read())
f2.close()
```

This is my first file!
Hello world!
Good Night!
Cool!

In [13]:

```
gear = ["Blade Wolf", "Raiden", "Sam"]
path = "C:/Users/Michael/Desktop/FILE_{}/second.txt"
for i in range(len(gear)):
    with open(path.format(i), "w") as f3:
        f3.write(gear[i])
#         f3.write("\n"+gear[1])

        f3.write("\n{} is cooler than {}".format(gear[0], gear[1]))
```

In [16]:

In [16]:

```
simpsons = ["Bart in detention", "Lisa at MIT",  
            ["Dougnuts...Mmm", "Homer: 'Nom, nom, nom!']"]  
transformers = ["HotRod opens matrix", "Optimus returns!",  
                ["Unicron explodes", "Megatron jumps"]]  
  
def File(text):  
  
    path = "C:/Users/Michael/Desktop/"  
  
    for i in range(len(text)):  
        with open(path + "cartoon_{}.txt".format(i), "w") as f:  
            f.write(text[i][0])  
            f.write("\n"+text[i][1])  
File(transformers)
```

In [286]:

```
dc = open("skynet.txt", "w")  
dc.write("""Terminator is \n  
hunting John connor \n  
and Sarah is protecting him""")  
dc.close()
```

In [287]:

```
d = open("skynet.txt", "r+")  
d.write("\n hasta la vista baby!")  
end = d.readlines()  
d.close()
```

In [290]:

```
film = "".join(end)
```

In [296]:

```
"Carl" in film.replace("\n", " ").split()
```

Out[296]:

False

In []: