In [31]:
```python
import os, shutil
```

In [32]:
```python
# r is to convert the text to rich text and replace \ with / in path
path = r"C:/Users/kallzz/Desktop/Data Analytics Stuff/Data Analyst - Boot Camp
```

In [33]:
```python
# list out all the files in the specific path
os.listdir(path)
```

Out[33]: ['Excel files', 'Image files', 'Text files']

In [34]:
```python
file_name_list = os.listdir(path)
type(file_name_list)
```

Out[34]: list

In [35]:
```python
folder_names = ['Excel files', 'Image files', 'Text files']
# type(folder_names)
# use range to iterate the list. Usual for loop syntax will not work here
# for name in folder_names: incorrect
for name in range(0,3):
    if not os.path.exists(path + folder_names[name]):
        os.makedirs(path + folder_names[name])
```

In [36]:
```python
for file in file_name_list:
    if ".xlsx" in file and not os.path.exists(path + 'Excel files/' + file):
        #(original path, new path)
        shutil.move(path + file, path + 'Excel files/' + file)
    elif ".txt" in file and not os.path.exists(path + 'Text files/' + file):
        #(original path, new path)
        shutil.move(path + file, path + 'Text files/' + file)
    elif ".png" in file and not os.path.exists(path + 'Image files/' + file):
        #(original path, new path)
        shutil.move(path + file, path + 'Image files/' + file)
    elif ".jpg" in file and not os.path.exists(path + 'Image files/' + file):
        #(original path, new path)
        shutil.move(path + file, path + 'Image files/' + file)
```

In [ ]:

In [ ]: