

Week 4 - Hannah Bowlin

7.1

```
fname = input('Enter the file name: ')
try:
    fhand = open(fname)
except:
    print('File cannot be opened:', fname)
    exit()
for line in fhand:
    upper_line = line.upper()
    print(upper_line)
```

7.2

```
count = 0
total = 0
fname = input('Enter the file name: ')
try:
    fhand = open(fname)
except:
    print('File cannot be opened:', fname)
    exit()
for line in fhand:
    line = line.rstrip()
    if line.find('X-DSPAM-Confidence:') == -1: continue
    num_pos = line.find(" ")
    num = float(line[num_pos+1:])
    count = count + 1
    total = total + (num)
    continue
```

```
print(f"The average spam confidence is {total/count}.")
```

The average spam confidence is 0.8941280467445736.

7.3

```
count = 0
fname = input('Enter the file name: ')

if fname == "na na boo boo":
    print("NA NA BOO BOO: you found an easter egg!")
else:
    try:
        fhand = open(fname)
        for line in fhand:
            line = line.rstrip()
            if line.startswith('Subject:'):
                count = count + 1
        print(f"There were {count} subject lines in mbox.txt.")
    except:
        print('File cannot be opened:', fname)
```

File cannot be opened: missing.tyxt

```
count = 0
fname = input('Enter the file name: ')

if fname == "na na boo boo":
    print("NA NA BOO BOO: you found an easter egg!")
else:
    try:
        fhand = open(fname)
        for line in fhand:
            line = line.rstrip()
            if line.startswith('Subject:'):
                count = count + 1
        print(f"There were {count} subject lines in mbox.txt.")
    except:
        print('File cannot be opened:', fname)
```

NA NA BOO BOO: you found an easter egg!

```
count = 0
fname = input('Enter the file name: ')

if fname == "na na boo boo":
    print("NA NA BOO BOO: you found an easter egg!")
else:
    try:
        fhand = open(fname)
        for line in fhand:
            line = line.rstrip()
            if line.startswith('Subject:'):
                count = count + 1
        print(f"There were {count} subject lines in mbox.txt.")
    except:
        print('File cannot be opened:', fname)
```

There were 1797 subject lines in mbox.txt.

```
count = 0
fname = input('Enter the file name: ')
try:
    if fname == "na na boo boo":
        print("NA NA BOO BOO: you found an easter egg!")
        exit()
    fhand = open(fname)
except:
    print('File cannot be opened:', fname)
    exit()
for line in fhand:
    line = line.rstrip()
    if line.startswith('Subject:'):
        count = count + 1

print(f"There were {count} subject lines in mbox.txt.")
```

NA NA BOO BOO: you found an easter egg!

File cannot be opened: na na boo boo

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

```
:
```