

FILE SOLUTIONS

TASK 1: COMPARE TWO TXT FILES

WORK WITH

```
d = open("rain.txt", "w")
d.write("Hi")
d.write("\nfood is hot"*2)
d.write("\nsunny day"*4)
d.close()
e = open("cloud.txt", "w")
e.write("Hi")
e.write("\nfood is cold"*2)
e.write("\nsunny day"*4)
e.close()
```

DESIRED OUTPUT

True
False
False
True
True
True

HINTS?

1. Use a **for** loop with **range**
2. Use a comparison operator
3. Use control flow that **prints** either True or False.
4. You should have no more than 5 lines of code, but 11 is acceptable.
5. Use a print statement with a for loop
6. Make sure to use the close method for both txt files!

In [1]:

```
d = open("rain.txt", "w")
d.write("Hi")
d.write("\nfood is hot"*2)
d.write("\nsunny day"*3)
d.close()
e = open("cloud.txt", "w")
e.write("Hi")
e.write("\nfood is cold"*2)
e.write("\nsunny day"*3)
```

```
e.close()
```

In [2]:

```
a = open("rain.txt", "r")
b = open("cloud.txt", "r")
day = a.readlines()
night = b.readlines()
for i in range(6):
    if day[i] == night[i]:
        print(True)
    else:
        print(False)
a.close()
b.close()
```

```
True
False
False
True
True
True
```

In [3]:

```
a, b = open("rain.txt", "r"), open("cloud.txt", "r")
day, night = a.readlines(), b.readlines()
for d in [True if day[i] == night[i] else\
          False for i in range(2)]:
    print(d)
a.close() ;b.close()
```

```
True
False
```

TASK 2: THREE INPUTS FOR THREE TXT FILES

WORK WITH

```
files = ["morning", "evening", "night"]
### Add Code Here
### Add Code VV
d = open(".txt", "w")
d.write("game")
d.close()
### Add Code Here

### Add Code Here
### Add Code Here

### Add Code Here
```

DESIRED OUTPUT

... ..

add text: blue
add text: green
add text: red

For each txt file has the following text:

- morning.txt:
 - game
 - win
- evening.txt:
 - game
 - lose
- night.txt:
 - game
 - draw

HINTS?

1. Use a **for** loop with a **len** in **range**.
2. Use the **"a"** mode for appending new lines.
3. Make sure you always have the close() method at the end if using **open**.

In [4]:

```
files = ["morning", "evening", "night"]
for i in range(len(files)):
    d = open(files[i]+ ".txt", "w")
    d.write("game")
    d.close()
    num = input("add text: ")

    d = open(files[i]+ ".txt", "a")
    d.write("\n" +num)

    d.close()
```

add text: win
add text: draw
add text: lose

TASK 3: FILTER OUT WORDS BASED ON LENGTH

WORK WITH

```
w = open("count.txt", "w")
w.write("""computer\n
python\n
udemy\n
intelligence\n
universal\n
jupyter\n
java\n
```

```
java\n
javascript\n")
w.close()
```

DESIRED OUTPUT

```
['python', 'udemy', 'jupyter']
```

HINTS?

1. Use **with open** for the **"count.txt"** file as comp.
2. Read the lines of the txt file, and use the **len**, **join**, **replace** and **split** methods.
3. **for** loop in list comprehension where you check the length of each word **>= 5** **and** **<= 7**.
4. Use an **if** statement.

In [12]:

```
w = open("count.txt", "w")
w.write("""computer\n
python\n
udemy\n
intelligence\n
universal\n
jupyter\n
java\n
javascript\n""")
w.close()
with open("count.txt", "r+") as comp:
    g = "".join(comp.readlines())
g
g.replace("\n\n", " ")
g2 = g.replace("\n\n", " ").split()
g2
```

Out[12]:

```
['computer',
 'python',
 'udemy',
 'intelligence',
 'universal',
 'jupyter',
 'java',
 'javascript']
```

In [13]:

```
[i for i in g2 if len(i) >= 5 and len(i) <= 7]
```

Out[13]:

```
['python', 'udemy', 'jupyter']
```

In [14]:

```
with open("count.txt", "r+") as comp:
    g = "".join(comp.readlines()).replace("\n", " ").split()
[i for i in g if len(i) >= 5 and len(i) <= 7]
```

Out[14]:

```
['python', 'udemy', 'jupyter']
```

END OF SOLUTIONS. WELL DONE!