String Formatting & File Handling

String Formatting

"Hi python"

String Formatting

```
"Hi _ ? _ "
name = "python"
```

String Concatenation

String Concatenation

```
print("Hi", name)
```

name = "python"

String Concatenation

```
"Hi" + " " + name
print("Hi", name)

name = "python"
```

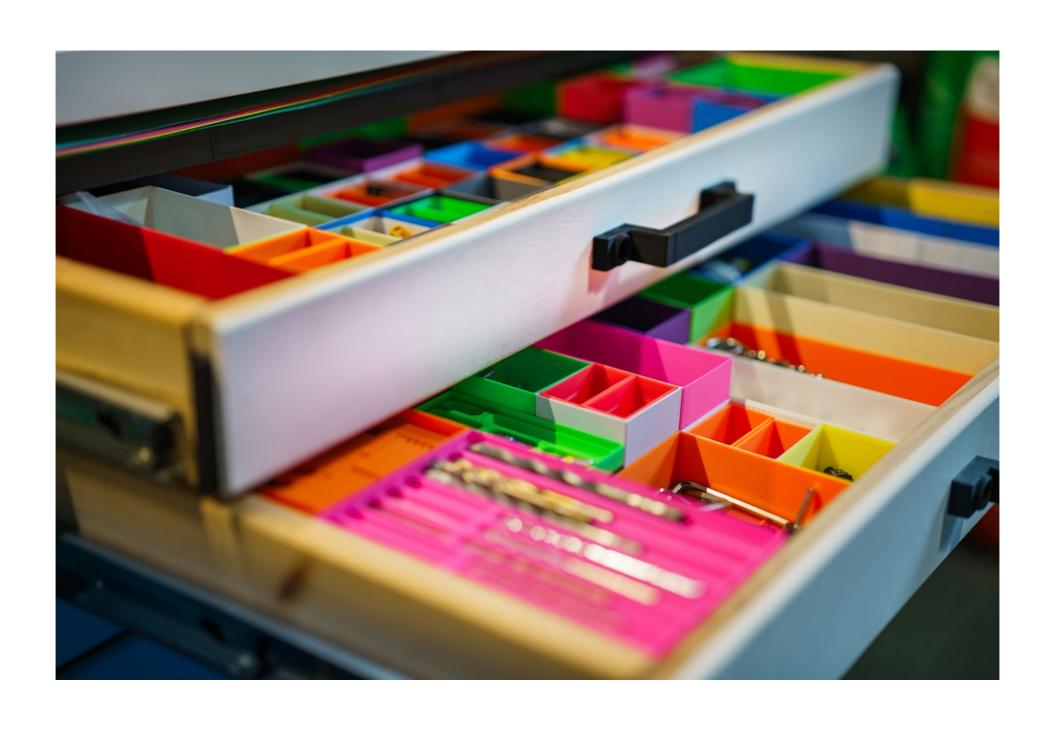
String Formatting

```
f"Hi {name}"
name = "python"
```

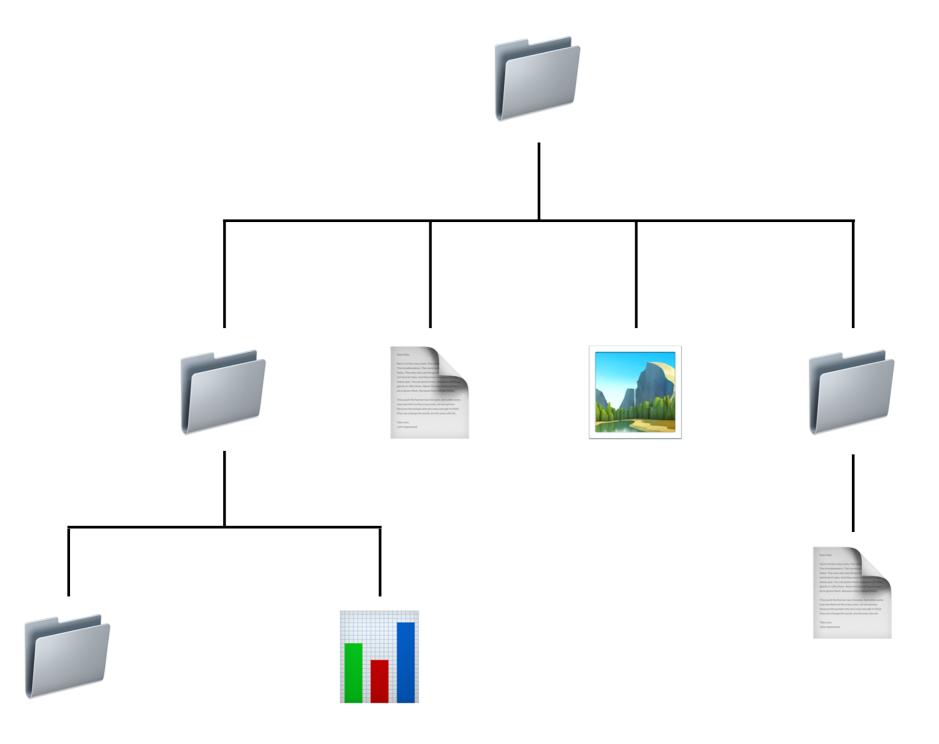
String Formatting

name = "python"

File System

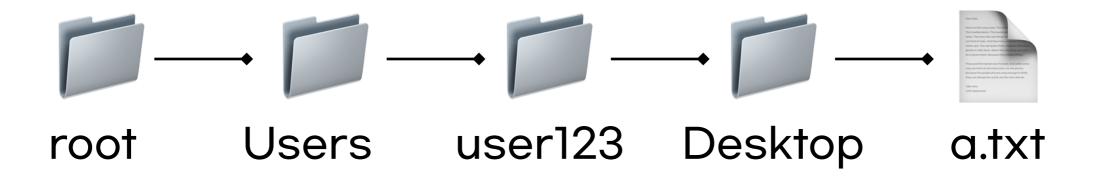


File System



File Path

/Users/user123/Desktop/a.txt

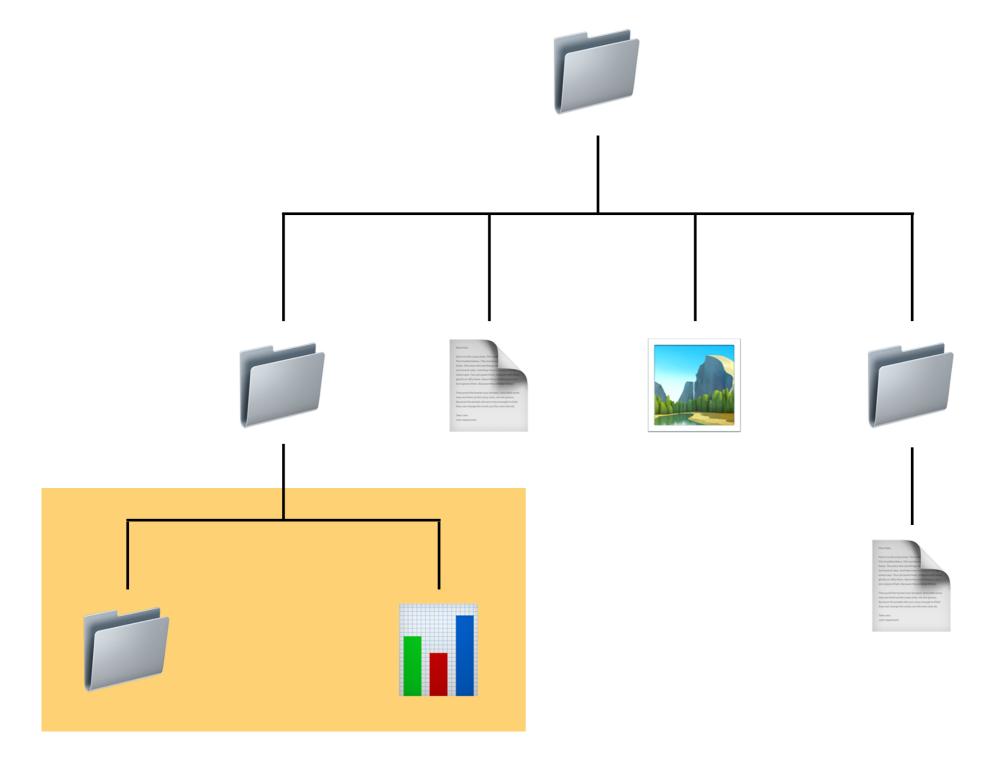


File Path

C:₩Users₩user123₩Desktop₩a.txt



Relative Path



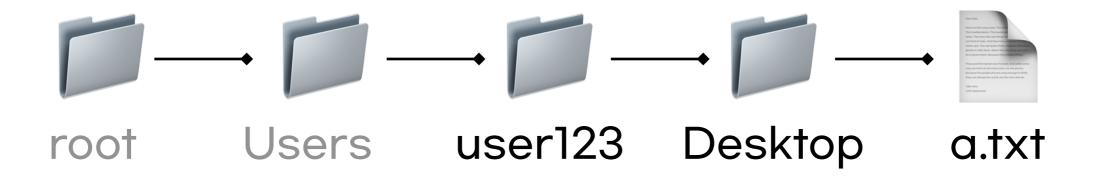
File Path

./a.txt



File Path

./Desktop/a.txt





```
f = open(file_path, mode)
```

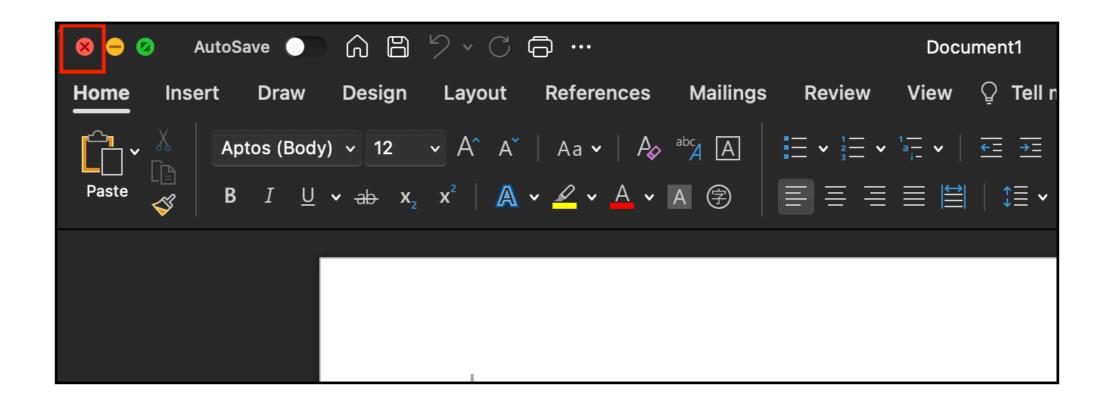
```
f = open(file_path, mode)

read

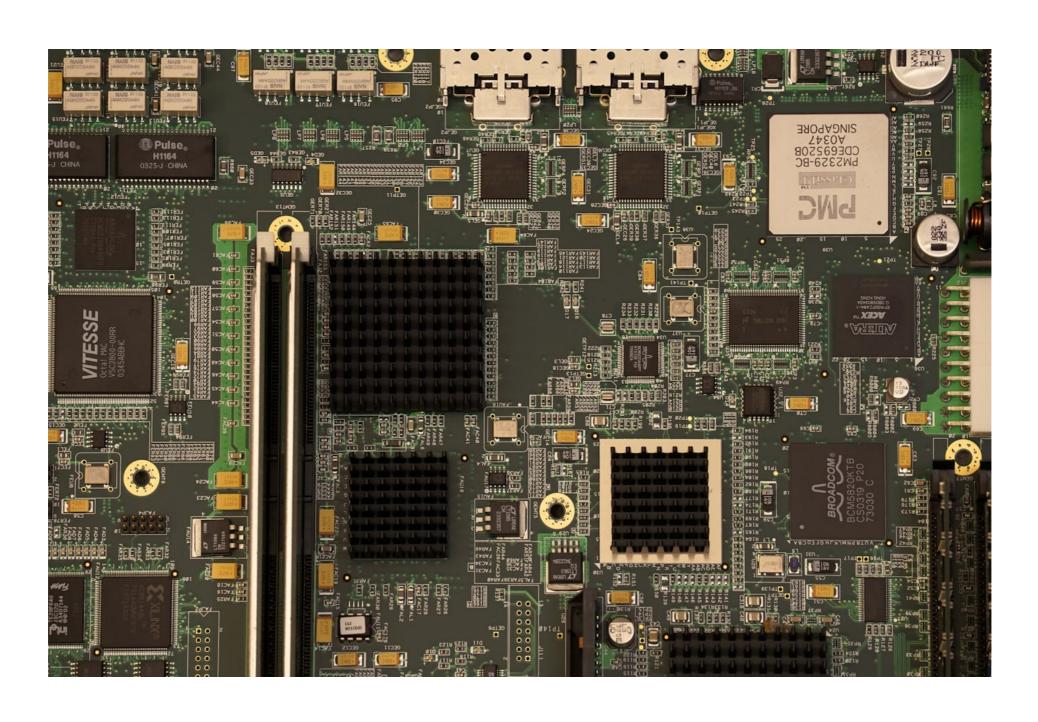
write

append
```

```
f = open(file_path, mode)
# do some jobs...
f.close()
```



Motherboard



CPU

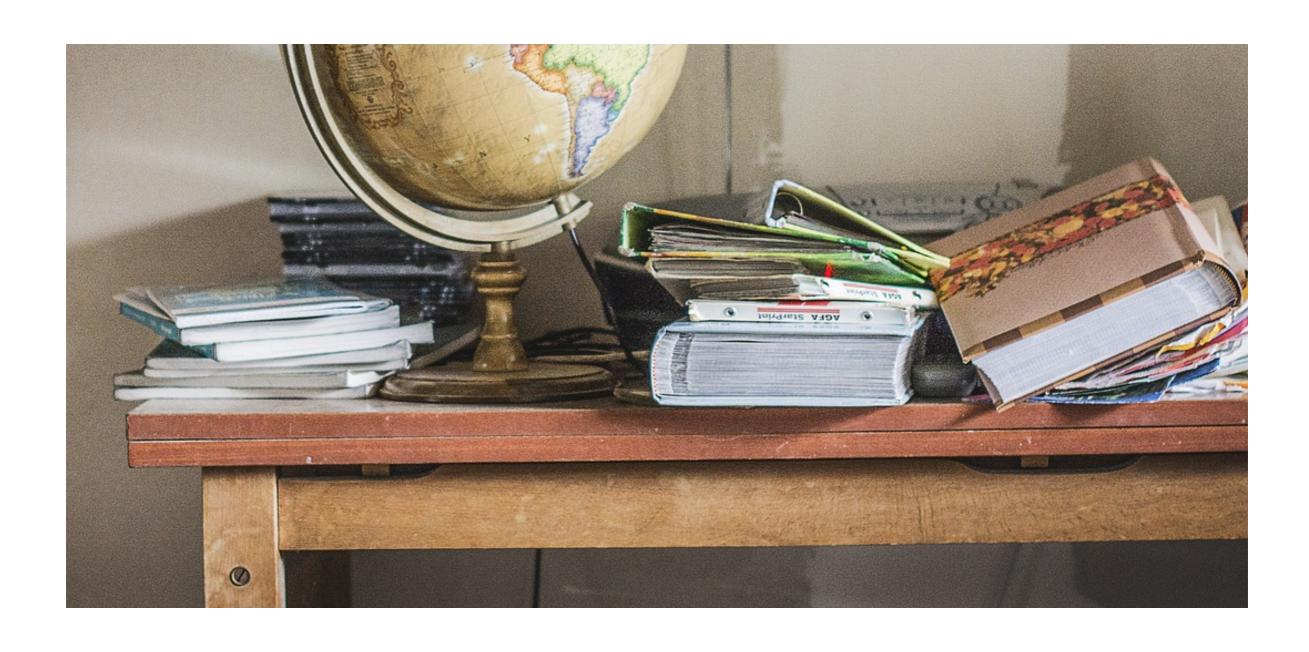


Worker



Temporary Storage







```
with open(file_path, mode) as f:

# do some jobs...
```

f.write("hello")

Newline

₩n

Newline

Hi\munnermale

Hi python

f.read()

f.readlines()

$$a = [1, 2, 3, 4]$$

for i in a:
print(i)

$$b = []$$

```
for i in a:
b.append(i + 1)
```

```
b = [for i in a]
for i in a:
b.append(i + 1)
```

```
b = [i + 1 \text{ for } i \text{ in } a]
for i in a:
   b.append(i + 1)
```

```
b = [i + 1 \text{ for } i \text{ in } a]
for i in a:
    b.append(i + 1)
```

$$a = [1, 2, 3, 4]$$