

Week 3 Labs

assignment operators

counter = 10 # assignment operator

print(counter) # 10

y = counter + 5

counter += 5

print(counter) # 15

counter -= 5

print(counter) # 10

counter *= 5

print(counter) # 50

casing strings

message = "Python is Awesome"

upp = message.upper()

print(upp)

low = message.lower()

print(low)

print(message)

print(message[0:3].upper())

```
msg = "123"  
print(msg.isalpha())  
print(msg.isdigit())
```

```
userid = "abc123#"  
print(userid.isalnum())
```

```
# checking strings  
email = "someone@sample.com"  
# print("sample" in email) # True  
# print("hello" in email) # False  
# print(" " not in email) # True  
# print("www" not in email) # True
```

```
# print(email.index("o")) # 1  
# print(email.index("o", 2)) # 4  
# print(email.index("o", 5)) # 16  
# print(email.index("o", 17)) # ValueError
```

```
# print(email.index("hello")) # ValueError
```

```
# print(email.find("o")) # 1
```

```
# print(email.find("o", 2)) # 4
```

```
# print(email.find("o", 5)) # 16
```

formatting string

```
# formatting strings
```

```
name = "John"
```

```
city = "New York"
```

```
# message = name + " lives in " + city
```

```
# print(message)
```

```
# default order
```

```
# message = "{} lives in {}".format(name, city)
```

```
# print(message)
```

```
# positional order
```

```
# raw_string = "{1} is a wonderful city. {0} lives in {1}"  
# message = raw_string.format(name, city)  
# print(message)
```

```
# modify strings  
# email = "someone@example.com"  
# another = email.replace("@", "#")  
# print(another)  
# print(email.replace("o", "q"))
```

slicing

```
# Slicing strings  
name = "computer"  
# print(name) # computer  
# print(name[0]) # c  
# print(name[3]) # p  
# print("hello"[0]) # h  
# print(name[8]) # error
```

```
# print(name[-1]) # r
# print(name[-8]) # c
# print(name[-5]) # p
# # print(name[-9]) #
# print(name[2:5]) # mpu
# print(name[-6:-3]) # mpu
# print(name[4:10]) # uter
# print(name[3:]) # puter
# print(name[:5]) # compu
```