

6/9/2025

String

```
word = input("Prompt user\u033Cn")
```

word gets set to whole line user enters

\n is an escape sequence

anything starting with \ is an escape sequence

\n = newline

\t = tab

\\" = double quote

print('stuff') OR print("stuff")

to read in an int

```
num = int(input("Prompt "))
```

to read in a floating pt #

```
rate = float(input("Prompt "))
```

Arithmetic Operators

$+$ add

$-$ sub

$*$ mult

$/$ floating pt division

$//$ integer division

$\%$ mod

$$3/2 \rightarrow 1.5$$

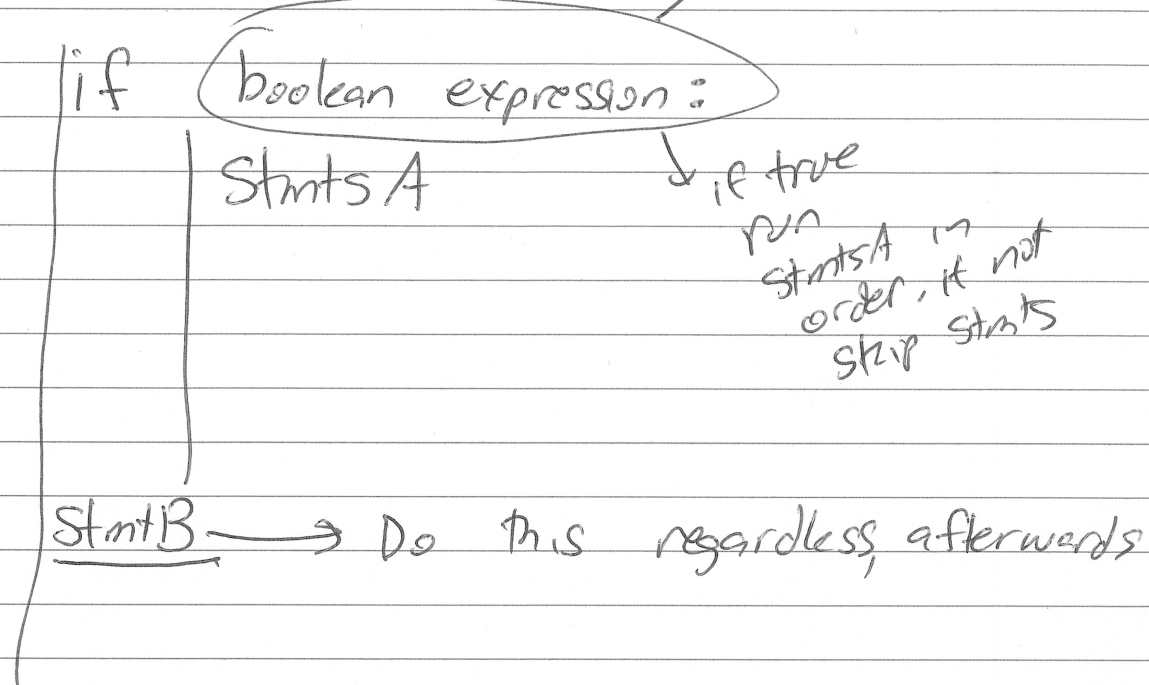
$$\rightarrow 11//7 \rightarrow 1 \quad \text{ignores fractional part}$$

$\hookrightarrow a//b$ is largest integer

$$\leq \frac{a}{b} \quad (\text{floating pt})$$

$\hookrightarrow a\%b$ is the remainder when a is divided by b

If Statement



money $\geq$ 100

$\leq$

$>$

$<$

$==$

(check for equality)

$!=$

(not equal)

Complex Expressions

money $\geq$ 100 and homework $==$ 0

Sat $\geq$ 1200 or gpa $\geq$ 3.5

only $\downarrow$ is necessary