

Control flow while loops:

while < condition> :

<expression>

- <condition> evaluates to Boolean
- if <condition> is True, do all the steps inside the while loop code block
- check <condition> again
- repeat until <condition> is False

Control Flow: while & for loops:

- iterating through numbers in a sequence

→ $n = 0$ → initialize variable n

• \ggg while $n < 5$:

 print(n)

$n = n + 1$ → increment

• \ggg for n in range(5)

 print(n)

Range function range(start, stop, step)

• default values are start = 0 and step = 1

• loop until value is stop - 1

• \ggg mysum = 0

• \ggg for i in range(7, 10)

 mysum += 1

• \ggg print(mysum)

we get: 24