Control Flow	Evaluations to booleans	Fill in
Booleans: True False	40 600	1
Comparison Operators:	Ex.	Evaluates To
= = equal to	6 = = 7 6 ! = 7	Falie True
	==1 677	Falk
62=7 < less than False calse	6 < 7	True False
667 or >= greater than or equal to	6<=7	True
c- less than or equal to		1700
(x = in pur	m ber: ") The	computer
if X<10	first	looks at
runs if print ("less than 10") if and in the end		
only the		
cond 2 False con mands of cond 2 True rint ("equal to 10") commands of the		
else: print ("greater than 10") executed.		
Cond1 F		
What would Python print if:		
- a loce than ID		
$\frac{x}{x} = \frac{5}{20}$ ? Greater than $\frac{x}{x} = \frac{10}{10}$ ? equal to 10	10	
X = 10? equal to		
and an	n 04 345	e ari W
Logical Operators and	- either M	Sec
Logical Operators: and, or, True and True: True	talse and fal	x: tale
. $\epsilon = \epsilon$		

true and False: Falx

True or False: True

The or thee: True

False or False: False

hot True: Fulse

Write an it statement that prints "Let's go to the beach" if it's hot and it's summer.

hot = input ("Is it hot? Yes or No:")

summer = input ("Is it summer ? Yes or No: ")

Hint: You can compare strings to see if they're equal using ==

short circuiting:

ex. False and True

(not True) and False

False and False

Useful for avoiding errors

ex. 5/x >1 VS x!=0 and 5/x > 1

Loops:

for Loop:

for i in range (num):

while (x <10):

line to execute

Ex. Using a for loop, print the numbers 1 to 5

p for i in range (5): and: N-1

print (it1)

i=Ø/2

1 4 5 3

1 = 0 1 = N -1

Ex. Using a while loop, print the numbers 1 to 5

x=1Spuhile (x < 6)

Sprint (x)

SX + = 1

Generally use while loop when you don't know how many times you want your code to run.

Use a for loop to print all even numbers from 0 to x where x is a user inputted humber.

[1],2,5,7,9]

i=0

while (x(i)!=5)

print (x(i))

i+=1