Introduction to Python Day Two Cheatsheet

LOGICAL OPERATORS AND KEYWORDS

Symbol	What it does		Examples	
==	Equal to	5 == 5	5 == 7	
		True	False	
!=	Not Equal to	5 != 5	5 != 7	
		False	True	
>	Greater than	5 > 3	5 > 6	5 > 5
		True	False	False
<	Less than	5 < 3	5 < 6	5 < 5
		False	True	False
>=	Greater than or equal to	5 >= 3	5 >= 6	5 >= 5
		True	False	True
<=	Less than or equal to	5 <= 3	5 <= 6	5 <= 5
		False	True	True
and	Join logical statements with	5 >= 2 and $3 == 3$ $5 >= 2$ and $3 != 3$		
	"and" rules	True		False
or	Join logical statements with	5 >= 2 and $3 =$	= 3 5 >=	2 and 3 != 3
	"or" rules	True		True

IF-ELIF-ELSE STATEMENTS

```
if <logical condition> == True:
                                       if 7.5 > 3:
      do this command
                                              print "yes!"
                                        yes
if <logical condition> == True:
                                        if 7.5 == 3:
      do this command
                                              print "yes!"
else:
                                        else:
      do that command
                                              print "no :("
                                        no :(
if <logical condition> == True:
                                        if 7.5 < 3:
      do this command
                                              print "less!"
elif:
                                        elif 7.5 > 3:
      do that command
                                              print "greater!"
else:
                                        else:
      do other command
                                              print "equal!"
                                        greater!
```

FOR-LOOPS

Iteration 3
Iteration 4

NESTED FOR-LOOPS

```
count = 0
for i in range(4):
     for j in range(3):
            count += 1
            print count, ":", i, j, i*j
1: 0 0 0
2: 0 1 0
3: 0 2 0
4: 1 0 0
5: 1 1 1
6: 1 2 2
7:200
8: 2 1 1
9: 2 2 4
10: 3 0 0
11: 3 1 3
12: 3 2 0
```