

Operators

Assignment	=
Arithmetic	+, -, *, /, %
Comparison	>, >=, <, <=, ==, !=
Logical	not, and, or

Strings // saad = "Saad"

saad.count('a')	returns 2
saad.index('d')	returns 3
saad.index('a')	returns 1 #first appearance
saad.upper()	returns "SAAD"
saad.lower()	returns 'saad'
saad.isupper()	returns False #checks if it is upper

Built in functions

int(), float(), str(),	Data type conversion
len(object)	returns length of object
min(object), max(object)	returns min, max
range(start, stop, [step])	sequence object from 1 UP TO stop

Break and Continue

break	exists loop
continue	continues the loop

Indexing // saad = [1,2,3,4,5]

saad[0]	returns the first element (1)
saad[-1]	returns the last element (5)
saad[:4]	returns [1,2,3,4,5]
saad[3:]	returns [4,5]
saad[::-1]	returns [5,4,3,2,1]

import random

random.randrange(x,y)	returns random between x and y
random.randint(x, y)	returns random int between (x,y)
random.choice(list)	returns random element from list
random.shuffle(list)	returns shuffled list

lists // saad[1, 2, 3, 4, 5]

saad.append(6)	returns [1,2,3,4,5,6]
saad.remove(3)	returns [1, 2, 4, 5, 6]
saad.insert(3,2)	returns [1, 2, 3, 4, 5, 6]
saad.sort()	sort from lowest to highest



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