

# python Cheat Sheet by mmildmilds via cheatography.com/25734/cs/6848/

Python	
string + string	combine together
string + number	crash
number + number	math-addition
number-number	math-subtraction
number*number	math-multiplication
number/number	math-division
number**number	math-exponent
number%number	finding a remainder
bolean	True/False
#	single-line comment
***************************************	multi-line comment

while True:
user_number = input(" Enter ur number
Here")
number = int(user_number)
countdown_string = ""
while number > 0:
countdown_string = countdown_string +
str(number)

# name = "tim GIRARD" print (name. upper()) print (name. lower()) print (name. capitalize()) print (name. title()) TIM GIRARD tim girard Tim girard

number = number - 1

print (countdown\_string)

## For Loop and List

Tim Girard

shoppinglist = ['salmon', 'bacon', 'water', 'jelly',
'ham']
print (shoppinglist)
list\_num = 0
while list\_num < len(shoppinglist):</pre>

# For Loop and List (cont) print ("List:",shoppinglist[list\_num]) list\_num = list\_num + 1 for item in shoppinglist: print (item) numbers = range(120) for num in numbers: print (num)

Vocabulary	
str	string
int	integer
float	decimal number
syntax	the structure of a program
syntax error	An error in a program that makes it impossible to parse
len	Return the length of an object
Modulus(%)	Show the remainder of the division
Single Equal (=)	assigns the value on the right to a variable on the left
Double Equal (==)	test if the 2 value are the same
String	a series of sentences that the user will use. Usually surrounded by double quotes
Variable	A thing that can be changed
input	convert things you enter

import random
intlist = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 1]
random_int = random.choice (intlist)
print(intlist,random_int)

1, 12]

fplist = [0.1, 0.2, 0.3, 0.4, 0.5, 0.6]
random\_fp = random.choice (fplist)
print (fplist,random fp)

strlist = ["1","2","3","4","5","6","7","8","9"]

List (cont)

print (strlist,random\_str)
mylist =
["adam","mild","loveadam","levine","3","4.6",424,
674,5.733]
random\_item = random.choice (mylist)

print (mylist,random\_item)

random\_str = random.choice (strlist)

myvar1 = 1

myvar2 = 2

myvar3 = 3

varlist = (myvar1,myvar2,myvar3) random\_var = random.choice (varlist)

print (varlist,random\_var)

### List

import random intlist = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12]random\_int = random.choice (intlist) print(intlist,random\_int) fplist = [0.1, 0.2, 0.3, 0.4, 0.5, 0.6]random\_fp = random.choice (fplist) print (fplist,random\_fp) strlist = ["1","2","3","4","5","6","7","8","9"] random\_str = random.choice (strlist) print (strlist,random str) mylist = ["adam", "mild", "loveadam", "levine", "3", "4.6", 424, 674,5.733] random\_item = random.choice (mylist) print (mylist,random\_item) myvar1 = 1myvar2 = 2myvar3 = 3varlist = (myvar1,myvar2,myvar3) random\_var = random.choice (varlist) print (varlist,random\_var)



By mmildmilds

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Symbol		
if/elif/ else	conditionals	
While	loop	
for	list all the thing	
!=	If values of two operands are not equal, then condition becomes true.	
==	test if the 2 value are the same	
<	less than	
<=	If the value of left operand is less than or equal to the value of right operand, then condition becomes true.	
>	greater than	
>=	If the value of left operand is greater than or equal to the value of right operand, then condition becomes true.	

## **Guess word game**

import random

#create a list

guesslist = ['adam', 'mild', 'levine']

chance = 3

score = 0

print (guesslist)

while chance != 0:

random\_item = random.choice(guesslist)

user\_input = input("please guess a word: ")

if user\_input == random\_item:

print (that's correct!")

else:

if user\_input not in guesslist:

print ("sorry, that's wrong")

### List

import random

intlist = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12]

random\_int = random.choice (intlist)

print(intlist,random\_int)

fplist = [0.1, 0.2, 0.3, 0.4, 0.5, 0.6]

random\_fp = random.choice (fplist)

 $print \; (fplist, random\_fp)$ 

strlist = ["1","2","3","4","5","6","7","8","9"]

random\_str = random.choice (strlist)

print (strlist,random\_str)

mylist =

["adam","mild","love adam","levine","3","4.6",424,

674,5.733]

random\_item = random.choice (mylist)

print (mylist,random\_item)

myvar1 = 1

myvar2 = 2

myvar3 = 3

varlist = (myvar1,myvar2,myvar3)

random\_var = random.choice (varlist)

print (varlist,random\_var)

### Math - circle

while True:

pi = 3.1415

user\_radius = input( " Insert radius here... " )

radius = float(user\_radius)

area = pi *radius*\*2

print ( " the area of the circle is",area)

print ( " Allahu Akbar")



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