Cheatography

Python code Cheat Sheet

by phon via cheatography.com/25871/cs/6996/

BasicCode

print()	write word on python	print("Hello There")
input()	let people input their information in python	input("insert number")
len()	show the length of that word	len(word)
int()	Number into number integer	int(2.50)
float()	Change number into decimal	float(5)
str()	a list of number and letter	str(10)
#	It's comment	print("Hello There")#It prints Hello There

Make a list

```
shoppinglist = ['bags', 'shoes', 'boots', 'shirts']

print (shoppinglist[2])

item_number = 0

"""
while item_number < len(shoppinglist):
print ("List item:",shoppinglist[item_number])
item_number = item_number + 1
"""


out = 0
for muids in shoppinglist:
out = out + 1

print(out)

Result =
boots
4
```

Calculate Math

string +\-*\/ string	calculate string
number +\-*\/ number	calculate number
number +\-\/ string	CANT
string +\-\/ number	CANT
string * number	It will multiply amount of string ex: str(5) * 6 = 555555
number * string	It will multiply amount of string ex: 6 * str(5X = 555555
number ** number	Exponent
number ** string	CANT

Math Code For python

==	equal	3 == 3
!=	not equal	4 != 3
<	less than	3 < 4
>	more than	4 > 3
<=	less than or equal	len(word) <= letternum
>=	more than or equal	len(word) >= letternum
%	find the remainder	5%4

isPalindrome

```
def isPalindrome(word):
reverse = ""
for item in word:
reverse = item + reverse
if reverse == word:
return True
else:
return False
while True:
word = input("Insert Word Plz: ")
length = len(word)
if word == "quit":
break
else:
print (length)
lengthnum = 0
while lengthnum < length / 2 + 1:
if word[lengthnum] != word[-lengthnum-1]:
print ("It is not palindrome")
break
lengthnum += 1
else:
print ("It is palindrome")
```

find largest value

```
def max2(num1, num2):
if num1>num2:
return (num1)
if num2>num1:
return (num2)
def max3(num1, num2, num3):
if num1 > num3 and num1 > num2:
return (num1)
if num2 > num1 and num2 > num3:
return (num2)
if num3 > num1 and num3 > num2:
return (num3)
num1 = input("Insert num1")
num2 = input("Insert num2")
num3 = input("Insert num3")
print("the largest number", max3(num1, num2, num3))
```

areaOfEllipse

```
def areaOfEllipse(rad1,rad2):
print (3.14*rad1*rad2)
rad1 = int(input("r1="))
rad2 = int(input("r2="))
areaOfEllipse(rad1,rad2)
```

Basic Vocabulary

Variable	a value and can ne change
String	a list of character such as number and letter
Integer Number	whole number
Floating Point	decimal number
Syntax	Grammar
Modulo	Find remainder
Boolean	True/False

Reverse Code

```
word = input("insert a word plz") Ex:phon
reverse =""
letter_num = 0
while letter_num < len(word):
reverse = word[letter_num] + reverse
letter_num = letter_num + 1
print ("Reverse: ",reverse)
Result = nohp
```

Loop List

```
mylist = [1,2,3,4,5,6]
mylist2 = ['a', 'b', 'c']
mylist3 = [1, 'b', 2.5]
print (mylist)
print (mylist2)
print (mylist3)
mynumbers = range(11)
for num in mynumbers:
print (num)
mylist2.append('another item')
print (mylist2)
```

Random: PYthon

```
import random
mylist = ['Red', 'Green', 'Blue', 'Yellow', 'Purple', 'Black']
print (mylist)
user_guess = input("Guess a word: ")
random_item = random.choice(mylist)
print (random_item)
if user_guess == random_item:
print("Correct Guess")
else:
if user_guess in mylist:
print ("Yes, in the list")
else:
print ("No, not in the list")
```