PatterPatter Cheat Sheet

by patter123 via cheatography.com/25884/cs/7005/

Something cheap

print()	Show the information you want on the screen
input()	Change number to be number integer
str()	A list of number letter and symbol
float()	change number to be decimal number
len()	the length of the string

LOL there no such thing as note

Math

== equal to != no equal to < less than > more than <= less than or equal to >= more than or equal to % Modulo, Find the remainder

LOL

Area of circle

"" Python Intro Assignment #2 name student number """ #Ask the user for a radius of a circle user_radius = input("What is a radius of a circle?") #Convert the given radius to a floating point radius = float(user_radius) #Make a variable called pi pi = float(3.1415) #Calculate the area of the circle using exponents area = pi(radius*2) #Display the area of the circle to the user print ("The area of the circle is", area)

LOL

Countdown machine

user_number = input("What number do you want to count down? ") number = int(user_number) countdown_string = ' ' while number > 0: countdown_number = countdown_string + str(number) + " " number = number - 1 #print(number) print (countdown_string)

Print Name

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

LOL

apichat

Variable	Hold a value and can be change
string	a list of character such as number letter and symbol
Syntax	Grammar and structure of languge
Integer number	counting number
float number	the number in decimal
modulo	find the remainder

LOL

Addition and multiplication and Exponet

string + string
Combine together
string + number
CRASH!
number + number
Addition (Math)
string * number
Combine that string
string* string
CRASH!
number * number
Multiply (Math)
string ** string
CRASH!
number ** number
Exponent (Math)
string ** number
CRASH!

Sort word per line

mystr = "Hello" letter_num = 0 while letter_num < len(mystr): print (mystr[letter_num]) letter_num = letter_num + 1 H e l l o

sort of fruit list

fruits = [] #an empty list for number in range(5): user_fruit = input("Please enter a fruit") fruits.append(user_fruit) print ("Size of fruit list is", len(fruits)) fruits.sort() for fruit in fruits: print ("Fruit: ", fruit)

sort of fruit list

Namming Covention

Rule for giving name - letter - numbers - underscore _ Valid name - _myStr - my3 - Hello_there Invalid name - 3my="hi" -- cannot start with number - first name="hi" - first-name - first+name

LOL

Reverse word

while True: word = input("Please enter a word") index = 0 reverse = ' ' while int(index) < len(word): reverse = word[index] + (reverse) index = int(index) + 1 print ("Reverse: ", reverse)

LOL

convert to binary

user_number = ' ' while user_number != ' 0 ' : user_number = input ("Enter a number to convert to binary") number = int(user_number) binary_string = ' ' while (number > 0): remainder = number%2 binary_string = str(remainder)+ binary_string number = number//2 print ("Binary string is", binary_string)

LOL

Area of circle

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teaw cheat Example	
print(2)	integer
Print(2.5)	floating point
Print (Hello)	string
print(mystr)	variable

LOL

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