

Function	
print()	Show information that you want on the screen
int()	Change number to be number integer
float()	Change number to be decimal number
input()	Gain information from user
str()	A list of number, letter and symbols
len()	The length of the string
#	Comment, no effect

Addition	
string + string	Combine together
string + number	CRASH!
number + number	Addition (Math)

Function- maxvalue	
# name: max2	
# arguments: num1, num2	
# return: the largest value	
def max2(num1, num2):	
max value = num1	
if num2 > num1:	
max value = num2	
return maxvalue	
print(max 2(10, 9))	
print(max2(1, 9))	
# write a function that returns the largest of three values	
# name: max3	
# arguments: num1, num2, num3	
# return: the largest value	
def max3(num1, num2, num3):	
max value = num1	
if num2 > maxvalue:	
max value = num2	
if num3 > maxvalue:	
max value = num3	
return maxvalue	
print(max3(2, 12, 4))	
print(max 3(19, 9, 17))	

Function- maxvalue (cont)	
> # write a function that returns the largest number in a list	
# name: maxlist	
# arguments: list	
# return the largest value in the list	
def maxlist(list):	
# loop through the list	
return maxvalue	
numlist = (1, 2, 3, 4, 5, 99)	
print(maxlist(numlist))	

Vocabulary	
Variable	Hold a value and can be change
String	A list of character such as number, letter and symbols
Integer number	Whole number/counting number
Floating point	The number in decimal
Syntax	Grammar/Structure of lauguage
Modulo	Find the remainder
Boolean	True/False

Multiplication and Exponents	
string * number	Combine that string
string* string	CRASH!
number * number	Multiply (Math)
string ** string	CRASH!
number ** number	Exponent (Math)
string ** number	CRASH!

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

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)	

Convert to binary	
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)	



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