SongInwZa's cheat Cheat Sheet

by song34071 via cheatography.com/25878/cs/6998/

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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Published 12th February, 2016.
Last updated 13th May, 2016.