Cheatography

python Cheat Sheet

by natmuids via cheatography.com/25738/cs/6850/

Addition

string + String	combine together
string + number	crash
number + number	math - addition

Functions

print()	displays information on the screen
float()	change number to be decimal number
int()	change number to number integer
int()	gain information
str()	a list of number,letter and symbols

Code

```
name = " Natnicha Wangchinda "
print (name.u pp er())
print (name.l ow er())
print (name.c ap ita lize())
print (name.t it le())
```

Counts down

```
#create a program that recieves a number from the user and count down from that number on the same line
#recieve the number from the user as a string
user_n umber = input ("enter number ")
#convert the user number to an integer
number = int(us er_ number)
#setupthe countdown string
countd own _string = " "
while number > 0:
```

Counts down (cont)

```
>    #add the number to the string
   #subtract 1 from the number
```

code

```
#write a program the converts a number to binary
#get a number from the user
user_n umber = input( " Please enter a number: ")
#convert to integer
number = int(us er_ number)
binary _string = ''
while (number > 0):#the numbrer is grater than 0)
        rem ainder = number % 2
        bin ary _string = str(re mai nder) + binary - _string
        number = number // 2
        pri nt( number)
        #print (number)
#after the loop print the binary string
print ("Binary string is", binary _st ring)
#expected output - 5 = 101
#expected output - 3 = 11
#expected output - 2 = 10
```

Multiplication and Exponents

string * string	crash
string * number	combine that string
number * number	math - multiply
string ** string	crash
number ** number	math - exponent
string ** number	crash

code

```
while True:
        use r_r adius = input( "What is the radius ?")
        radius = float( use - r_r adius)
       pi = 3.1415
       area = pi radius * 2
        print ("The area of the cirle is", area)
```

code

```
mystring = "hello"
print (mystring)
firstname = input ("What is your first name?")
lastname = input ("What is your last name?")
fullname = firstname + " " + lastname
print (fullname)
letter number = int(input( "What is letter number? "))
if letter numer >le n(f ull - name):
        print ( " invalid letter number, try again! " )
else:
        letter = (fulln ame - [le tte rnu mber] )
        print ( letter )
        num ber letter = int(input( " How many times to print letter? ")
                                                -


       if number letter > 100:
                print ( " Too many letters to print! ")
        else:
                print ( letter * number letter )
```


Sponsored by **ApolloPad.com**
Everyone has a novel in them. Finish Yours!
https://apollopad.com

Cheatography

python Cheat Sheet

by natmuids via cheatography.com/25738/cs/6850/

code

```
def createList(quitword):
        mylist = []
        while True :
                item = input( " -
Please enter a list item: ")
                if (item ==
quitword) :
                        return
(mylist)
                 dup lic ateword
= False
                for myvar in
mylist:
                        if myvar
== item:
                                -
dup lic ateword = True
                if duplic ateword
== True :
                         pri -
nt( 'Du plicate word!')
                 else:
                         myl -
ist.append (item)
mylist = create Lis t("s top ")
print (mylist)
```

Vocabulary

Variable	hold a value and can be change
string	a list of character such as number,letter, and symbols
integer number	whole number or counting number
float number	the number in decimal
syntax	gramma or structure of language
value	the number os string can be store in valuable

Vocabulary (cont)

module	the text for storing for python code
input	gain information
print	to show information on the screen
syntax error	make impossible to the parse error

code

```
# Create a program that recieve
a number from the user
# from that number on the same
line
#recieve the number from the
user as a string
user_n umber = input
#convert the user number to an
integer
number = int(us er_ number)
#setup the countdown string
countd own _string = " "
while number > ():#the number is
greater than 0)
        rem ainder =
        print (number)
        #bi nar y_s tring =
#output should look like this
# if the user enters 5:
# 5 4 3 2 1
print (count dow n_s tring)
```

Math

+	plus
-	minus
*	multiple
/	divide
%	remainder (4%2)-> 0
**	exponent 2**3->2^3
==	equal to
!=	no equal to
<	less than
>	more than
<=	less than or equal to
>=	more than or equal to

By **natmuids**
cheatography.com/natmuids/

Published 15th February, 2016.
Last updated 13th May, 2016.

Sponsored by **ApolloPad.com**
Everyone has a novel in them. Finish Yours!
https://apollopad.com