Cheatography

Python Cheat Sheet Cheat Sheet by jinnymuids via cheatography.com/25737/cs/6849/

Addition	
string + string	combine together
string + number	crash
number + number	math - addition
Functions	
print ()	displays information on the screen
input ()	receives information from the user
int ()	converts a value to an integer
str ()	string ("word") can be everything
float ()	change number to be decimal number
#	comment(one line)
	comment(many lines)
import random + random.choice()	pick random item in the list

Math	
+	plus
-	minus
*	multiple
/	divide
%	remainder (4%2)-> 0
**	exponent 2**3 -> 2^3
==	equal to
!=	not equal to
<	less than
>	more than
<=	less than or equal to
>=	more than or equal to

By jinnymuids

cheatography.com/jinnymuids/

Code2

```
shoppinglist = ('tshirt', 'pants',
'socks')
for myvariable in shoppinglist:
    print (myvariable)
print (shoppinglist(1))
for number in range(5):
    print (number)
```

Vocabulary		
Variable	holds a value and can be changed	
String	a list of characteristics such as numbers, letter, symbols	
Syntax	Grammar	
Modulo	Remainder %	
Integer	Real number	
Floating Point	Decimals	
Boolean	True/False	
== equal	!= not equal	
Syntax Error	make impossible to the parse	

Name

```
firstname = input (" What is your
first name? ")
lastname = input (" What is your
last name? ")
fullname = ( firstname + " " +
lastname )
print (fullname)
letternumber = int(input( " What
is letter number? " ))
if letternumber > len(fullname):
   print ( " invalid letter
number, try again! " )
else:
   letter =
(fullname[letternumber])
   print (letter)
    numberletter = int(input(" How
many times to print letter? "))
```

Published 15th February, 2016. Last updated 29th March, 2016. Page 1 of 2.

Name (cont)

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

Code1

# 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_number = input		
#convert the user number to an		
integer		
number = int(user_number)		
#setup the countdown string		
countdown_string = ""		
while number > ():#the number is		
greater than 0)		
remainder =		
print (number)		
<pre>#binary_string =</pre>		
#output should look like this		
# if the user enters 5:		
# 5 4 3 2 1		
print (countdown_string)		

Multiplication and Exponents		
string * number	combine that string	
string * string	crash	
number * number	math - multiply	
string ** string	crash	
number ** number	math-exponent	
string ** number	crash	

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



Cheatography

Python Cheat Sheet Cheat Sheet by jinnymuids via cheatography.com/25737/cs/6849/

Code

mystring = "hello"

print (mystring)

firstname = input ("What is your firstname?")

lastname = input ("What is your lastname"?)
fullname = firstname + " " + lastname

print(fullname)

letternumber = int(input("What is letter number?"
"))

if lettername > len(fullname):

print ("invalid letter number, try again! ") else:

letter = (fullname(letternumber))

print (letter)

numberletter = int(input ("How many times to print letter "))

Area of Circle

```
while 2==2:
    #Ask the user for a radius of a
circle
   user_radius = input("What is
the radius? ")
   #Convert the given radius to a
floating point
   radius = float(user_radius)
   #make a variable called pi
   pi = 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)
```

Binary

user_number = input("Enter a number to convert to binary:") number = int(user_number) binary_string = '' while (number>0): remainder = number % 2



```
By jinnymuids
```

cheatography.com/jinnymuids/

Binary (cont)

```
binary_string =
str(remainder) +
str(binary_string)
    number = number // 2
print ("Binary string is '',
binary_string)
```

Published 15th February, 2016. Last updated 29th March, 2016. Page 2 of 2.

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