Python Cheat Sheet

by poohiez via cheatography.com/25794/cs/7014/

Function

print()	PRINT an information on the screen
input()	ASK for an information
str()	Change an information into a STRING
int()	Change an information into a INTEGER
float()	Change an information into a DECIMAL
len()	LENGTH of the string
#	Used to COMMENT what we've done
'''	MULTI line COMMENT

CODE: Countdown Number

```
user_number = input("Please enter a number: ")
number = int(us er_ number)
countd own _string = " "
while number > 0:
        cou ntd own _string = countd own _string + " " + str(nu mber)
        number = number-1
print (count dow n_s tring)
```

CODE: Define Ex

```
def hello ():
        print ("Hello it's Pooh")
        return
hello()
Ans : Hello it's Pooh
def myprin t(t ext):
        print ("" + str(text) + " ")
```

CODE: Define Ex (cont)

```
>    return
myprint(1)
Ans : 1
def mynewprint(text,decor) :
   print(decor + str(text) + decor)
   return
mynewprint(1, "+++")
mynewprint(555, "+++")
Ans : +++1+++
+++555+++
def doubleIt (number) :
   return number * 2
print (doubleIt(5))
myvar = 12
myvar = doubleIt(myvar)
print (myvar)
Ans : 10, 24
def AreaOfCircle(r):
   if r <= 0:
      return "Error: invalid radius"
   pi = 3.1415
   area = (pi(r*2))
   return area
user_radius =input("Enter your radius: ")
r = float(user_radius)
print ("The area of your circle is", AreaOf-Circle(r))
```

Math

==	Equal to
!=	Not equal to
<	Less than
>	Greater than
<=	Less than or Equal to
>=	More than or Equal to
*	Multiply
**	Power (Exponent)
/	Divide (The ans. is in FLOAT form)
//	Divide (The ans. is in INTEGER form)
%	Modulo (Find the remainder)

CODE: Reversing word

```
word = input("Type in an word: ")
reverse = " "
for letter in word:
        reverse = letter + reverse
print ("Re verse: ", reverse)
```

CODE: Convert Int to Hexadecimal

```
while True:
        use r_n umber = input( " Please enter the number: ")
        number = int(us er_ - number)
        bin ary _string = ''
        while (number > 0):
                rem ainder = number % 2
                bin ary _string = str(re mai nder) + binary - _string
                number = number // 2
        pri nt( " Binary string is", binary _st ring)
```

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CODE: Palindrome (Way1)

```
user_input = input("Type in your
string: ")
reverse = " "
for letter in user_i nput:
        reverse = letter +
reverse
print ("Re verse: ", reverse)
palindrome = reverse
if User_input == palind rome:
        print ("Your input is
palind rom e")
else:
        print ("Your input is
not palind rom e")
```

Math with STRING and INTEGER

str + str	Squishes them together
int + int	Do math (Add)
int * int	Do math (Multiply)
int ** int	Do math (Exponent)
str * int	combines the strings × number time
str + int	CRASH
str * str	CRASH
str ** int	CRASH

CODE: Str, Fp, Int Random Ex

```
import random
intlist = [1,2,3 ,4, 5,5 000 -
0000]
random _list = random.ch oic -
e(i ntlist)
print( int list, random _list)
------ --- --- --- --- --- --
- --- --- --- ------
fplist = [1.1,1.2, -
1.3 ,1.4 ,1.5, 5.0 00000]
random_fp = random.ch oic e(f -
plist)
print( fplist, random_fp)
strlist = ["on e","t wo", " -
thr ee", " fou r","f -
ive " ,"te n"]
random_str = random.ch oic e(s -
trlist)
print( str list, random _str)
mylist = [1, 1.1, " one "]
random _item = random.ch oic -
e(m ylist)
print( mylist, random _item)
myvar1 = 1
myvar2 = 2
myvar3 = 3
varlist = [myvar1, myvar2,
myvar3]
random_var = random.ch oic e(v -
arlist)
print( var list, random _var)
```

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