kimmy computer Cheat Sheet

by kimmy via cheatography.com/25748/cs/6884/

1

input( )	show
print( )	show answer
int( )	number
str( )	
float( )	change number to decimal
while	loop
if: elif else:	
Boolean	True/False
len( )	length of
in	in
import random	import
random.choice(mylist)	random in mylist
while True	forever loop
range()	range(5)=0,1,2,3,4

5 Reverse

```
word = input("Please enter your name: ")
index = 0
reverse = ' '
while index < len(word):
reverse = word[index] + reverse
index = index +1
print ("Reverse: ",reverse)
```

area

```
def areaofellipse(radius1,radius2):
-pi=3.1415
-area=pi*radius1*radius2
-return area
area1=areaofellipse(2,3)
print(area1)
```

evenodd count

```
evencount=0
oddcount=0
while True:
-num=int(input("Enter a positive integer:"))
-if num<0:
--print("Even numbers:",evencount)
--print("Odd numbers:",oddcount)
--break
-else:
--if(num%2)==0:
---evencount=evencount+1
--else:
---oddcount=oddcount+1
```

2

+	add
-	subtract
/	divide (ans in float/decimal)
**	power
*	multiply
=	assign a value
==	compare 2 values
!=	not equal to
>	more than
<	less than
>=	more than or equal to
<=	less than or equal to
:	for user to enter
#	comments (do not show)
%	remainder
//	divide(ans in integer) 2.5=2
3(3+1)	CRASH because no *. Have to be 3*(3+1)

6 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)
```

fibonacci

```
num1=0
num2=1
fibonacci=num1+num2
myoutput="0,1"
while fibonacci<50:
-myoutput=myoutput+", "+str(fibonacci)
-num1=num2
-num2=fibonacci
-fibonacci=num1+num2
print(myoutput)
```

hex

```
while True:
-user_number=input("Enter a number:")
-num=int(user_number)
-hex_string=""
-while(number>0):
--remainder=number%2
--if remainder==10:
---remainder="A"
--elif.....
--hex_string=str(remainder)+hex_string
--num=num//16
-print("Hexadecimal string is 0x"+hex_string)
```

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3		
naming consention	letters	a,A,_
	numbers	
	underscore_	

4	
string+string	fusion
string+number	crash
number+number	normal math
string*string	crash
string*number	fusion
number*number	normal math
string**string	crash
string**number	crash
number**number	normal math

while	
0	mystring=""
01	count=0
012	while count<5:
0123	-mystring=mystring+str(count)
01234	-print(mystring)
	-count=count+1

while
mylist=[1,2,3]
num=0
while num<len(mylist):
-print(mylist[num])
-num=num+1