

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
t)
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=piradius1radius2
-return area
area1=areaofellipse(2,3)
print(area1)
```

## evenodd count

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



3

naming convention	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
```



By **kimmy**  
[cheatography.com/kimmy/](http://cheatography.com/kimmy/)

Published 9th February, 2016.  
Last updated 22nd March, 2016.  
Page 2 of 2.

Sponsored by **CrosswordCheats.com**  
Learn to solve cryptic crosswords!  
<http://crosswordcheats.com>