function python

print()	Show information that you want on the screen
int()	change number to be number integer
float()	change number to be decimal number
str()	a list of number, letter and symbols

symbol math

==	equal to
!=	unequal to
>	more than
<	less than
>=	more than or equal to
<=	less than or equal to

vocabulary

variable	hold a value and can be change
input	gain information from user
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	grammar or structure of lauguage
value	

addition python

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

multiplication and exponents python

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

Reverse word

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

Convert to Binary

```
user_number = ' '
while user_number != '0' ;
user_name = 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)
```