

### 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 language
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)
```



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