

Functions

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

Code

```
name = "007wins"
print (name.upper())
print (name.lower())
print (name.capitalize())
print (name.title())
```

function list

```
#write the function that returns
the largest number in a list
#name: maxlist
#argument:list
#returns the largest value in
the list
def maxlist(list):
    maxvalue = list[0]
    for item in list:
        if item > maxvalue:
            maxvalue = item
    return maxvalue
mylist = [1,2,3,4,55,66,-
777,0,1]
print(maxlist(mylist))
```

Addition

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

Radius finder Code

```
while True:

    user_radius = input("What is
the radius?")
    radius = float(user_radius)
    pi = 3.1415
    area= pi radius * 2
    print ("The area of the
circle is", area)
```

Code

```
mystring = "hello"
print (mystring)
firstname = input( "what is your
first name?")
lastname = input( "what is your
last name?")
fullname = firstname + " " +
lastname
print (fullname)
letternumber = int(input( " what
is letter number? " ))
if letternumber >len(fullname):
    print ( " invalid letter
number, try again! " )
else:
    letter = ( fullname[letter-
number] )
    print (letter)
    numberletter = int(input(
"how many times to print letter
" ))
    if numberletter >100:
        print ( " too many
letters to print! " )
    else:
        print (letter * number-
letter )
```

Function Python

```
#write a function that returns
the largest of two values
#name : max2
#agruments: num1, num2
# return: largest value
# write a functrion that returns
the largest of three values
# name : max3
#agrument: num1, num2, num3
# return: largest value
def max2(num1,num2):
    if num1 >= num2:
        max_value = (num1)
    if num2 > num1:
        max_value = (num2)
    return max_value
num1 = input('Enter the the
first value')
num2 = input('Enter the the
second value')
print (max2(num1,num2))
def max3(num1,num2,num3):
    if num1 >= num2 and num1 >=
num3:
        max_value = (num1)
    if num2 > num1 and num2 >=
num3:
        max_value = (num2)
    if num3 >= num2 and num3 >=
num1:
        max_value = (num3)
    return max_value
num3 = input('Enter the the
third value')
print (max3(num1,num2,num3))
```

Multiplication and Exponents

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

Math

==	equal to
!=	no equal to
<	less than
>	more than
<=	less than or equal to
>=	more than or equal to

Vocabulary

variable	hold a value and can be change
string	a list of character such as number, letter and symbols
integer	whole number or counting
number	number
float	the number in decimal
number	
syntax	grammar or structure of lauguage
value	the number or string can be store in valuable
loop	
mudole	the text for storing for python code
blank	
input	gain information form User
comment	
print	To show information on code

Vocabulary (cont)

code	
syntax error	make impossible to the parse

