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.u pp er())
print (name.l ow er())
print (name.c ap ita lize())
print (name.t it le())
```

function list

```
#write the function that returns
the largest number in a list
#name: maxlist
#argum ent :list
#returns the largest value in
the list
def maxlis t(l ist):
      max value = list[0]
```

function list (cont)

```
>    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:

      use r_r adius =
input( "What is the radius ?")
      radius = float( use -
r_r adius)
      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)
letter number = int(input( "
what is letter number? " ))
if letter number >le n(f ull -
name):
      print ( " invalid letter
number, try again! " )
else:
      letter = ( fullna me[ -
let ter number] )
      print (letter)
      num ber letter =
int(input( "how many times to
print letter " ))
      if number letter >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
#agrum ents: 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(n um1 ,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( num 1,n um2))
def max3(n um1 ,nu m2, num3):
        if num1 >= num2 and num1
>= num3:
                max _value =
(num1)
        if num2 > num1 and num2
>= num3:
```

Function Python (cont)

```
>       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 number	whole number or counting number
float number	the number in decimal
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
code	
syntax error	make impossible to the parse