FUNCTIONS:

USE: Write Function name - any parameters function needs.

POW - Power/Exponents: pow (5,4) = 625

ABS - Absolute value: (-18) = 18

MODULE - Extra Functions in python. you have to import modules. You have to import the module (math) in order to use the "floor" function. Modules can be assigned to variables.

FLOOR- Rounds down - You have to import the module (math) in order to use the "floor" function. -

ex.

import math

math.floor (18.7) = 18.00

SQRT - Square root - Import math - math.sqrt (81) = 9.0

PRINT - what to display (what the user sees)

ex.

print "Hey World"

"Hey World"

STRINGS - Characters in a row/single characters. You must use quotation marks (",') to open and close each string. Strings can also be stored in variables.

ex.

'hey now'

"hey now"

"hey now"

"hey now"

When STRINGS have single quotations (') within them, you must close them with double quotations (").

ex.

'he's a jerk' =wrong

"he's a jerk" =right

Also you can use the backslash option (\) which tells python that quation or character after it has no real meaning and that it is only there to be displayed.

ex.

'hes\'s a jerk'

"he's a jerk"

"he\'s a jerk"

"he's a jerk"

"Bucky said, \"hey now\" to me"

"Bucky said, "hey now" to me

LIST - You can list a bunch of strings together. You have to select which string inside the list you would like to use (this is called slicing).

ex.

Family = ['mom', 'sis', 'bro', 'dad']

You have to select which string inside the list you would like to use.

ex.

Family = ['mom', 'sis', 'bro', 'dad']

Family = [2]

Sis

You can also select a string by counting backwards using the (-) sign

ex.

Family = ['mom', 'sis', 'bro', 'dad']

Family = [-2]

Bro

SEQUENCE = You can combine sequences by using the (+) sing.

ex.

[1,2,3] + [4,5,6]

1,2,3,4,5,6

IN = Function in allows you to check if there is a specific element in a sequence

Ex.

a = 'team’

'i' in a

False

't' in a

True

You can check for one element in a string or one element in a whole sequence.

Ex.

>> control = ['money', 'power', 'respect']

>> 'girls' in control

False

>> 'money' in control

True

LEN – Returns the number of elements.

Ex.

>> digits = [1,2,3,4,5,6]

>> len (digits)

6

MAX – Returns the biggest value.

Ex.

>> max (digits)

6

MIN – Returns the smallest value.

Ex.

>> min (digits)

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LIST FUNCTION – Takes any ‘STRING’ of text and converts it into a list.

Ex.

>> list ('money')

>>['m', 'o', 'n', 'e', 'y']

DEL – Deletes elements in a function

METHOD – An action that you give to a specific object.