Number and Number methods:

```
Number's :-
  Vasiables of numeric types are created when you
  assign a value to them.
  there are types of numerica types:
  1. Int ( > ) < class (in+1)
   2. float -> 2.8 <class 'Float' >
   3. Complex number -> 2+3j <<1000 (complex)>
Number Methods !-
absolute value of the
         specified number.
 Ex:- x = 3+5)
       5 = -5.56
       7 = -5
       Point (abs(x)) #5.830951
       Point (abs(4)) #5.56
       Point ( abs( Z)) # 5
Sound () & sounds to neagest number.
                     ( decimal value is L=5 points the
                      Lowest value else point the
                      next value.)
Ex:-
 Print (800 Nd (5.7)) . #6
  Print (8000d (2.3)) #2
  point ( round (6.5)) # 6
POW(): - Prints the power value of give number
  Ex:- Print (pow (2,3)) => #8.
```

divmod():- it setups to quotient and the semainter.

Print (divmod (3,3)) => (1,0)

point (divmod (5,3)) => (1,2)

Print (divmod (17,157)) => (1,1)

int():- converts the number 3.5 into an integer. 6x-x=int(3.5)=3

float():- converts the number into a floating point

Ex! = X = float(3) = 3.0X = float(13.500") = 3.5

Complex(): - seturns a complex number by specifying a seal number of an imaginary number.

 $= \begin{array}{c} = \times = complex(3,5) \\ = 0 \end{array}$ + (3+5i)

bin():- converts num to binary number.

Ex:- Print (bin(13)) .
061101

hex():- Converts a humber to here decimal

Ex:- print (hex (22))
#0x16

```
oct ():- converte a number into the oct mumber
    Ext Print (oct (16))
         #0020
   Aggregate Functiona:
   Max():- returns the max value of list or type
     Ex! = a = (2,3,4,5,7,8,9)
           Point (max (a))
   MIn():- retigns the minimum value
          a=(2,3,4,5,6,7,8)
           Point (min(a))
   Sum (): returns the sum value.
          Print (sum (2, 10, 8, 3,7))
          #30
Example: - (without methods)
  top=(1,2,3,4)
                              max = top[0]
  max = 0
                              for in topo
  for i in tup:
                              if 1 > max :
                    (00)
      if 9> max :
                                   max = P
        max= f
                              Point (max)
  Point (max)
```

```
Advanced Operations [math module]

impost math

Psint (math. sqst(36)) =) square soot

Psint (math. ceil(6.2)) => 7

Psint (math. floos (-6.2)) => -7

Psint (math. sin())

Psint (math. (og (3,2)) =) . Has
```