```
# int()  function  demo  program
print(int(10.8)) #  Converts  10.8  to  10
print(int(True))  #  Converts  True  to  1
print(int(False)) #   Converts  False  to  0
print(int('25'))  #  Converts   '25'  to  25
print(int('0075')) #   75
print(int(0B11010)) #  Converts  binary  number  to  decimal  number  i.e.  16 +
8 + 2 = 26
print(0B11010)  #  Converts  binary  number  to  decimal  number  i.e.  16 + 8 +
2 = 26
print(int(0O6247)) #  Converts  octal   number  to  decimal  number  i.e.   6 *
8 ^ 3 + 2 * 8 ^ 2 + 4 * 8 ^ 1 + 7 * 8 ^ 0 = 3239
print(0O6247)  #  Converts  octal   number  to  decimal  number  i.e.   6 * 8 ^
3 + 2 * 8 ^ 2 + 4 * 8 ^ 1 + 7 * 8 ^ 0 = 3239
print(int(0XA7B9))  #  Converts  hexa  decimal   number  to  decimal  number
i.e.  10 * 16 ^ 3 + 7 * 16 ^ 2 + 11 * 16 ^ 1 + 9 * 16 ^ 0 = 42937
print(0XA7B9)  #  Converts  hexa  decimal   number  to  decimal  number  i.e.
10 * 16 ^ 3 + 7 * 16 ^ 2 + 11 * 16 ^ 1 + 9 * 16 ^ 0 = 42937
#print(int(3 + 4j))  #  Error  becoz  complex  number  can  not  be  converted
to  integer
#print(int('25.4'))  #  Error  due  to  string  float
#print(int('Ten'))  # Error  becoz  'Ten'  can  not  be  converted to  integer



'''
int()  function
----------------
1) What  does  int(x)  do  ?  --->  Converts  object  'x'  to  integer

2) Conversion  of  binary  number  to  decimal  number
    ------------------------------------------------------------
          16    8   4   2    1  --->  Weights
               1     1    0   1    0   --->  16 + 8 + 2 =  26

3) Conversion  of  octal  number  to  decimal  number
    ------------------------------------------------------------
        512   64   8    1  --->  Weights
              6      2    4   7  --->  6 * 512 + 2 * 64 + 4 * 8 + 7 * 1  = 3239

4) Conversion  of  hexa-decimal  number  to  decimal  number
    ------------------------------------------------------------------
        4096   256   16    1  --->  Weights
              A        7      B     9  --->  10 * 4096 + 7 * 256 + 11 * 16 + 9 *
1  = 42937
'''
```