5) Special Methods.

(i) Class Book (object):

def __init__(self, title, author, pages):
    print "A book has been created".
    self.title = title
    self.author = author
    self.pages = pages

b = Book('Python', 'Jose', 100)
o/p: A book has been created.
print b.
o/p = <__main__.Book.

⇐ # here if we call a book it will print that it is just a main book class it will not print its features (i.e) features within the class.

Thus, here special function is used (i.e)

(ii) def __str__(self):
    return "Title: %s, Author: %s, pages %s" % (self.title, self.author, self.pages)

print b.
o/p = Title: Python, Author: Jose, Pages: 100

(iii) def __leng__(self):
    return self.pages
print b
o/p = <__main__.Book.
len(b)
o/p = 101.

(iv) def __del__(self):  ⇐ # to delete elements from memory.
    print "A book is gone!"
b.title
o/p = 'Python'
del b.
o/p = A book is gone!
b.title
o/p = error. : name 'b' is not defined.