IO pattern

Lua Io pattern，the same as C（FILE\*）

Use io.open to open a file，io.open("123.txt","w").

　　"r": read mode(default);

　　"w": write mode;

　　"a": add mode;

　　"r+": refresh mode，save old data

　　"w+": refresh mode，delete old data

　　"a+": add refresh mode， save old data

　　"b": binary mode

if error the function will return nil.

1. print(io.open("123.txt",r))

if there is no 123.txt file, there is empty output.

Lua will throw error message when it appear unexpected situation. such as add two non-number type variable. Visit a non-exist value in the table, call a variable which is not a function. You could use assert(a, b) to throw error message.

The parameter a check whether the error exist. Parameter b could be choiced.

1. file= io.open("123.txt","r")
3. print(file)

output：

nil

[Finished in 0.0s]

1. file= assert(io.open("123.txt","r"))
3. print(file)

output：

1. /usr/local/bin/lua: /Users/macbook/Desktop/test.lua:1: 123.txt: No such file or directory
2. stack traceback:
3. [C]: in function 'assert'
4. /Users/macbook/Desktop/test.lua:1: in main chunk
5. [C]: ?

[Finished in 0.0s with exit code 1]