

```
#!/usr/bin/env python1.6
#
#                               -*- Mode: Python -*-

wRcsFile = "$RCSfile: src2doc,v $"
wRcsDate = "$Date: 2009-05-15 08:10:43 $"
wRcsRev = "$Revision: 1.3 $"
wRcsState = "$State: Exp $"
wRcsAuthor = "$Author: aa $"
wRcsLog = """
$Log: src2doc,v $
Revision 1.3  2009-05-15 08:10:43  aa
Python 1.6 (or lower)

Revision 1.2  2000/08/03 22:21:53  aa
Use "env python" in magic first line of src2doc

Revision 1.1  2000/07/25 13:42:14  aa
Moved to notebook (aa)

Revision 0.2  1997-10-18 01:20:03+02  anders
Added rcs support and also try to preserve a user defined title.

Revision 0.1  1997/10/17 22:13:52  anders
A first try to write a src2doc.py wrapper.
"""

import string
from src2doc import *

def fetchOption(opt):
    optval = string.split(opt, "=", 1)
    try:
        return(optval[0], optval[1])
    except IndexError:
        return(optval[0], 1)

src = Src()
doc = Doc()

i = 1
input = output = ""
while i < len(sys.argv):
    try:
        if sys.argv[i] == "-S":
            i = i + 1
            (name, value) = fetchOption(sys.argv[i])
            src.option[name] = value
        elif sys.argv[i] == "-D":
            i = i + 1
            (name, value) = fetchOption(sys.argv[i])
            doc.option[name] = value
        elif sys.argv[i] == "-v":
            print "%s %s (wrapper %s)." % (
                sys.argv[0],
                rcsRev,
                wRcsRev)
            sys.exit()
        elif sys.argv[i] == "-V":
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    print "%s %s (%s)." % (
        sys.argv[0],
        rcsRev,
        rcsDate)
    print "%s" % (rcsLog,)
    print "%s wrapper %s (%s)." % (
        sys.argv[0],
        wRcsRev,
        wRcsDate)
    print "%s" % (wRcsLog,)
    sys.exit()
else:
    if not input:
        input = sys.argv[i]
    elif not output:
        output = sys.argv[i]
    else:
        raise IndexError
except IndexError:
    print "Usage: %s [options] [src [doc]]" % (sys.argv[0],)
    sys.exit()
else:
    i = i + 1

if input:
    if not doc.option["title"]:
        doc.option["title"] = input
    infile = open(input)
else:
    infile = None
if output:
    outfile = open(output, "w")
else:
    outfile = None

CompDoc(outfile, Comp(TokComp(Tok(SrcTok(infile, src, doc)))).printDoc()
```