```
#!/usr/local/cs/bin/python
```

Output lines selected randomly from a file

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```
$Id: randline.pv.v 1.4 2010/04/05 20:04:43 eagert Exp $
```

import random, sys from optparse import OptionParser

return self.maxlines

```
class randline:
```

```
def __init__(self, filename, wreplace=0):
    self.wreplace=wreplace
    f = open(filename, 'r')
    self.lines = f.readlines()
    f.close()
    if not self.lines:
        self.emptv = True
        self.maxlines=0
    else:
        self.empty = False
        self.maxlines=len(self.lines)
def maxlines(self):
```

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try:

```
def chooseline(self):
        # If the file is empty, return an empty string
       if not self.empty:
            returnString = random.choice(self.lines)
            if str(self.wreplace) == "True":
                self.lines.remove(returnString)
            return returnString
        raise Exception
def main():
   version_msq = "%proq 2.0"
    usage_msg = """%prog [OPTION]... FILE1 FILE2 ...
Output randomly selected lines from FILE."""
    parser = OptionParser(version=version_msq,
                          usage=usage_msg)
    parser.add_option("-n", "--numlines",
                      action="store", dest="numlines", default=1,
                      help="output NUMLINES lines (default 1)")
    parser.add_option("-w", "--without-replacement",
                      action="store_true", dest="wreplace", default="False",
                      help="output lines without replacement (default no)")
    (options, args) = parser.parse_args()
   wreplace=options.wreplace
   try:
       numlines = int(options.numlines)
    except:
        parser.error("invalid NUMLINES: {0}".
                     format(options.numlines))
    if numlines < 0:
        parser.error("negative count: {0}".
                     format(numlines))
    if len(args) < 1:
        parser.error("wrong number of operands")
   numFiles = len(args)
```

# Loop through all the input files and create a new object for each

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