logging

```
默认情况下,logging将日志打印到屏幕,日志级别为WARNING;
<u>日志级别大小关系为: CRITICAL > ERROR > WARNING > INFO > DEBUG > NOTSET。</u>
打印和输出都是大于等于定义的错误级别
--logging.notest(str)/debug(str)/info(str)/warning(str)/error(str)/critical(str)
--logging.NOTEST/DEBUG/INFO/WARNING/ERROR/CRITICAL
--logging. basicConfig(level = logging. WARNING[, format=None][, datefmt=None][, filename=None][filemode=None])
logging.basicConfig函数各参数:
filename: 指定日志文件名
filemode: 和file函数意义相同,指定日志文件的打开模式,'w'或'a'
format: 指定输出的格式和内容, format可以输出很多有用信息, 如上例所示:
%(levelno)s: 打印日志级别的数值
%(levelname)s: 打印日志级别名称
%(pathname)s: 打印当前执行程序的路径,其实就是sys.argv[0]
%(filename)s: 打印当前执行程序名
 %(funcName)s: 打印日志的当前函数
 %(lineno)d: 打印日志的当前行号
 %(asctime)s: 打印日志的时间
 %(thread)d: 打印线程ID
 %(threadName)s: 打印线程名称
%(process)d: 打印进程ID
 %(message)s: 打印日志信息
datefmt: 指定时间格式,同time.strftime()
level: 设置日志级别,默认为logging. WARNING
FE:
import logging
logging.basicConfig(level=logging.DEBUG,
              format='%(asctime)s %(filename)s[line:%(lineno)d] %(levelname)s %(message)s',
              datefmt='%a, %d %b %Y %H:%M:%S',
              filename='myapp.log',
              filemode='w')
logging.debug('This is debug message')
logging.info('This is info message')
logging. warning ('This is warning message')
./myapp.log文件中内容为:
Sun, 24 May 2009 21:48:54 demo2.py[line:11] DEBUG This is debug message
Sun, 24 May 2009 21:48:54 demo2.py[line:12] INFO This is info message
Sun, 24 May 2009 21:48:54 demo2.py[line:13] WARNING This is warning message
 _author__='VicDong'
import logging
logging.basicConfig(level=logging.WARNING,
                  format='%(asctime)s - %(filename)s[line:%(lineno)d] - %(levelname)s: %(message)s')
# use logging
logging.info('this is a loggging info message')
logging.debug('this is a loggging debug message')
logging. warning ('this is loggging a warning message')
logging.error('this is an loggging error message')
logging.critical('this is a loggging critical message')
consule中输出内容是:
>>>
======= RESTART: C:\Users\lenovo\Desktop\TemporaryPy.py =======
2017-02-02 21:22:22,780 - TemporaryPy.py[line:9] - WARNING: this is loggging a warning message
2017-02-02 21:22:22,795 - TemporaryPy.py[line:10] - ERROR: this is an loggging error message
2017-02-02 21:22:22,811 - TemporaryPy.py[line:11] - CRITICAL: this is a loggging critical message
```

```
--class logger = logging.getLogger()
--class fh=logging. FileHandler(filename, mode='w')
设置handler,用于写入文件
--class ch = logging.StreamHandler()
设置handler,用于屏幕输出
--class formatter = logging. Formatter(format)
设置输出格式
--oneclass. setLevel (logging. INF0)
设置等级
--oneclass. setFormatter (formatter)
设置输出格式
--logger.addHandler(oneclass)
将控制文件/输出的class绑定到logger中
FE:
_author_ = 'liu.chunming'
import logging
# 第一步,创建一个logger
logger = logging.getLogger()
logger.setLevel(logging.INF0)
                              # Log等级总开关
# 第二步, 创建一个handler, 用于写入日志文件
logfile = './log/logger.txt'
fh = logging.FileHandler(logfile, mode='w')
fh. setLevel (logging. DEBUG) # 输出到file的log等级的开关
# 第三步,再创建一个handler,用于输出到控制台
ch = logging.StreamHandler()
ch. setLevel (logging. WARNING) # 输出到console的log等级的开关
formatter = logging.Formatter("%(asctime)s - %(filename)s[line:%(lineno)d] - %(levelname)s: %(message)s")
fh. setFormatter (formatter)
ch. setFormatter (formatter)
# 第五步,将logger添加到handler里面
logger.addHandler(fh)
logger.addHandler(ch)
# 日志
logger.debug('this is a logger debug message')
logger.info('this is a logger info message')
logger.warning('this is a logger warning message')
logger.error('this is a logger error message')
logger.critical('this is a logger critical message')
```