How to implement Logging:

To perform logging, first we required to create a file to store messages and we have to specify which level messages required to store.

We can do this by using **basicConfig()** function of logging module.

logging.basicConfig(filename='log.txt',level=logging.WARNING)

The above line will create a file log.txt and we can store either WARNING level or higher level messages to that file.

After creating log file, we can write messages to that file by using the following methods

logging.debug(message)
logging.info(message)
logging.warning(message)
logging.error(message)
logging.critical(message)

Q. Write a Python Program to create a log file and write WARNING and Higher level messages?

```
1)  import logging
2)  logging.basicConfig(filename='log.txt',level=logging.WARNING)
3)  print('Logging Demo')
4)  logging.debug('Debug Information')
5)  logging.info('info Information')
6)  logging.warning('warning Information')
7)  logging.error('error Information')
8)  logging.critical('critical Information')
```

log.txt:
WARNING:root:warning Information
ERROR:root:error Information
CRITICAL:root:critical Information

Note:
In the above program only WARNING and higher level messages will be written to the log file. If we set level as DEBUG then all messages will be written to the log file.

test.py:

```
1)  import logging
2)  logging.basicConfig(filename='log.txt',level=logging.DEBUG)
3)  print('Logging Demo')
4)  logging.debug('Debug Information')
5)  logging.info('info Information')
6)  logging.warning('warning Information')
```