



- 3) WARNING:root:This is warning message
- 4) ERROR:root:This is error message
- 5) CRITICAL:root:This is critical message

Note: We can format log messages to include date and time, ip address of the client etc at advanced level.

How to write Python program exceptions to the log file:

By using the following function we can write exceptions information to the log file.

```
logging.exception(msg)
```

Q. Python Program to write exception information to the log file

```
1) import logging
2) logging.basicConfig(filename='mylog.txt',level=logging.INFO)
3) logging.info("A New request Came:")
4) try:
5)     x=int(input("Enter First Number: "))
6)     y=int(input("Enter Second Number: "))
7)     print(x/y)
8) except ZeroDivisionError as msg:
9)     print("cannot divide with zero")
10) logging.exception(msg)
11) except ValueError as msg:
12)     print("Enter only int values")
13) logging.exception(msg)
14) logging.info("Request Processing Completed")
15)
16)
17) D:\Python_classes>py test.py
18) Enter First Number: 10
19) Enter Second Number: 2
20) 5.0
21)
22) D:\Python_classes>py test.py
23) Enter First Number: 10
24) Enter Second Number: 0
25) cannot divide with zero
26)
27) D:\Python_classes>py test.py
28) Enter First Number: 10
29) Enter Second Number: ten
30) Enter only int values
```