* Overview of logging application events
* Different log levels of application
* Getting started with logging
* Default log message format
* Customize log message format
* Writing log messages to files
* Writing log messages to both files and console
* Add logging to applications
* Add logging to file format converter
* Exercise and Solution

1. What is application logging?

a) A method to debug an application

b) A method to log user actions

c) A method to record the performance of an application

d) A method to record events occurring within an application

Answer: d) A method to record events occurring within an application

1. What are the benefits of logging application events?

a) Helps in debugging an application

b) Helps in monitoring an application's performance

c) Helps in identifying security threats

d) All of the above

Answer: d) All of the above

1. What are the different log levels available in Python?

a) DEBUG, INFO, WARNING, ERROR, CRITICAL

b) TRACE, DEBUG, INFO, WARNING, ERROR, FATAL

c) INFO, WARNING, ERROR

d) None of the above

Answer: a) DEBUG, INFO, WARNING, ERROR, CRITICAL

1. What is the first step to start using logging in Python?

a) Importing the logging module

b) Defining log levels

c) Configuring loggers

d) Writing log messages

Answer: a) Importing the logging module

1. What is the default log message format in Python?

a) "%(asctime)s %(levelname)s %(message)s"

b) "%(levelname)s %(asctime)s %(message)s"

c) "%(message)s %(levelname)s %(asctime)s"

d) "%(asctime)s %(message)s %(levelname)s"

Answer: a) "%(asctime)s %(levelname)s %(message)s"

1. How can you customize the log message format in Python?

a) By using a pre-defined log message format

b) By modifying the default log message format

c) By defining a new log message format

d) None of the above

Answer: c) By defining a new log message format

1. How can you write log messages to a file in Python?

a) By using the basicConfig() method

b) By creating a FileHandler object and adding it to the logger

c) By using the RotatingFileHandler object

d) By using the TimedRotatingFileHandler object

Answer: b) By creating a FileHandler object and adding it to the logger

1. How can you write log messages to both files and console in Python?

a) By using the basicConfig() method

b) By creating a StreamHandler object and adding it to the logger

c) By creating both a FileHandler and StreamHandler object and adding them to

the logger

d) By creating a RotatingFileHandler and StreamHandler object and adding them to the logger

Answer: c) By creating both a FileHandler and StreamHandler object and adding them to the logger

1. How can you add logging to an application in Python?

a) By defining a new logging module

b) By using the print statement to log messages

c) By using the logging module to log messages

d) None of the above

Answer: c) By using the logging module to log messages

1. What is the benefit of adding logging to a file format converter?

a) Helps in debugging the file format conversion process

b) Helps in identifying errors or exceptions that occurred during the conversion

process

c) Helps in monitoring the performance of the file format converter

d) All of the above

Answer: d) All of the above