Status	Finished
Started	Sunday, 30 November 2025, 10:33 PM
Completed	Sunday, 30 November 2025, 10:36 PM
Duration	2 mins 59 secs
Grade	**10.00** out of 10.00 (**100**%)

Question 1

Correct

Mark 1.00 out of 1.00

What is a key benefit of centralizing logs from multiple sources in a DevOps environment?

- ⦿ a. It enables comprehensive monitoring and easier analysis. ⊘
- ◯ b. It reduces the need for monitoring dashboards.
- ◯ c. It eliminates the need for log levels.
- ◯ d. It makes individual log files larger and harder to manage.

Your answer is correct.

The correct answer is: It enables comprehensive monitoring and easier analysis.

Question 2

Correct

Mark 1.00 out of 1.00

Which metric type is best suited for counting the number of times an event occurs?

- ◯ a. Gauge
- ◯ b. Timer
- ◯ c. Histogram
- ⦿ d. Counter ⊘

Your answer is correct.

The correct answer is: Counter

Question 3

Correct

Mark 1.00 out of 1.00

Which of the following is the most verbose log level in the Python logging module?

- ○ a.   ERROR
- ○ b.   INFO
- ◉ c.   DEBUG ⊘
- ○ d.   CRITICAL

Your answer is correct.

The correct answer is: DEBUG

Question 4

Correct

Mark 1.00 out of 1.00

Which AWS service is primarily used for monitoring and logging in cloud environments?

- ○ a.   Amazon RDS
- ○ b.   Amazon EC2
- ◉ c.   Amazon CloudWatch ⊘
- ○ d.   Amazon S3

Your answer is correct.

The correct answer is: Amazon CloudWatch

Question 5

Correct

Mark 1.00 out of 1.00

What is one advantage of using logging facilities over print() statements in Python?

- ● a. Logging messages can be categorized by severity levels. ⊘
- ○ b. Print() statements are more efficient in production environments.
- ○ c. Logging cannot be configured to output to files.
- ○ d. Logging always outputs to STDERR by default.

Your answer is correct.

The correct answer is: Logging messages can be categorized by severity levels.

Question 6

Correct

Mark 1.00 out of 1.00

Which of the following is NOT a common metric type found in metric-capturing systems?

- ● a. Binary ⊘
- ○ b. Value
- ○ c. Timer
- ○ d. Counter

Your answer is correct.

The correct answer is: Binary

Question 7

Correct

Mark 1.00 out of 1.00

What is the primary purpose of log levels in a logging system?

- ○ a.   To encrypt log messages for security.
- ● b.   To categorize the importance and verbosity of log messages. ⊘
- ○ c.   To timestamp log messages.
- ○ d.   To determine the color of log messages.

Your answer is correct.

The correct answer is: To categorize the importance and verbosity of log messages.

Question 8

Correct

Mark 1.00 out of 1.00

In the context of logging, what does the logger.exception() method provide that a simple print statement does not?

- ○ a.   It sends the log message to an external server.
- ○ b.   It terminates the program after logging.
- ○ c.   It changes the log level dynamically.
- ● d.   It includes the traceback information of the exception. ⊘

Your answer is correct.

The correct answer is: It includes the traceback information of the exception.

Question 9

Correct

Mark 1.00 out of 1.00

Why is it critical to monitor data drift in machine learning operations?

- ○ a. To reduce the computational resources required by the model.
- ◉ b. To ensure that the model's predictions remain accurate over time. ⊘
- ○ c. To increase the complexity of the monitoring system.
- ○ d. To automatically retrain the model without human intervention.

Your answer is correct.

The correct answer is: To ensure that the model's predictions remain accurate over time.

Question 10

Correct

Mark 1.00 out of 1.00

In AWS SageMaker, which class is used to configure data capture when deploying a model?

- ◉ a. DataCaptureConfig ⊘
- ○ b. ModelMonitor
- ○ c. DefaultModelMonitor
- ○ d. DatasetFormat

Your answer is correct.

The correct answer is: DataCaptureConfig