1]What is Amazon Cloud Watch?Mention steps to view AWS Lambda Logs in Cloud watch.

Amazon CloudWatch is a monitoring and observability service provided by Amazon Web Services (AWS). It is designed to help you collect, analyze, and visualize data from various AWS resources and applications. Here are the key aspects of Amazon CloudWatch:

1. Metrics:

   - CloudWatch collects and stores metrics, which are numerical data points that represent the performance and behavior of your AWS resources. These metrics could include CPU utilization, network traffic, or the number of requests to a service.

2. Dashboard:

   - CloudWatch Dashboards allow you to create customized visualizations of your metrics. You can arrange graphs, charts, and other widgets to provide a quick overview of the health and performance of your AWS resources.

3. Alarms:

   - Alarms in CloudWatch allow you to set thresholds on your metrics. When a metric breaches a threshold, an alarm is triggered, and you can configure actions such as sending notifications or automatically adjusting AWS resources.

4. Logs:

   - CloudWatch Logs enable you to collect, store, and analyze log files from your applications and AWS resources. This is useful for debugging, troubleshooting, and auditing purposes.

5. Events:

   - CloudWatch Events provide a way to respond to changes in your AWS environment. You can create rules that match events and trigger actions, such as invoking an AWS Lambda function or sending a notification.

6. Retrieval and Storage of Data:

   - CloudWatch retains metric data for a configurable period, allowing you to analyze historical trends and performance over time. The retention period varies based on the granularity of the data.

7. Custom Metrics:

   - In addition to the metrics automatically collected by AWS, you can publish custom metrics to CloudWatch. This allows you to monitor specific aspects of your applications that are relevant to your business requirements.

8. Integration with AWS Services:

   - CloudWatch seamlessly integrates with various AWS services, allowing you to monitor and collect data from resources such as Amazon EC2 instances, Amazon RDS databases, and AWS Lambda functions.

9. Cross-Account and Cross-Region Monitoring:

   - CloudWatch enables you to set up cross-account and cross-region dashboards, alarms, and metrics. This is beneficial for monitoring resources that span multiple AWS accounts and regions.

10. Application Insights:

   - CloudWatch Application Insights helps you monitor and troubleshoot your applications. It automatically detects anomalies, identifies potential issues, and provides insights into the performance of your applications.