1. Explain the difference between Amazon SQS and Amazon SNS.

In what scenarios would you use **SNS → SQS → Lambda** instead of using Lambda directly?

2. Explain how an S3 event can trigger downstream processing.

3. Why is Lambda not suitable for heavy data processing jobs like Spark or Hadoop?

4. What does "serverless" mean in AWS Lambda?

Coding:

Write a Python AWS Lambda function that is triggered by an S3 `ObjectCreated` event.

Requirements:

- **Extract `bucket` and `object key` from the event**

- **Read the file content from S3 using `boto3`**

- **Print the file size and first 100 characters to CloudWatch**

- **Return HTTP status code 200**