Reflection on Homework 5:

Presigned URLs use cases:

1. Presigned URLs provide temporary download authorization, allowing the external user to grant temporary access without requiring credentials or changing bucket permissions. This can be commonly used to share documents or personal website information, or to ensure secure downloads.
2. Presigned URLs expire after a set period to ensure security.
3. Presigned URLs can also allow the user to upload things without using the credentials. This is useful in scenarios such as **user-generated content upload**, including images, music, or video files via websites.

Differences:

AWS CLI is suitable for quick and manual presigned URL generation for downloads and uploads. When using AWS CLI, it is not required to have proficient coding skills, and it is ideal for testing purposes.

In contrast, Boto3 SDK is more flexible and powerful. It is better for integration into backend systems. Boto3 SDK can achieve more complicated tasks, such as expiration control and dynamic parameter generation. However, Boto3 SDK is more difficult to implement as basic coding ability is required. Boto3 SDK is not friendly for those non-developers.