**Theory: Twitter API Integration**

**Introduction to Twitter API**

**The Twitter API allows you to interact with Twitter programmatically. It provides access to a wide variety of functionality, including:**

1. **Fetching Tweets: You can fetch tweets from a user's timeline.**
2. **Posting Tweets: You can post new tweets to a user's timeline.**
3. **User Information: You can retrieve detailed information about a user, including their profile, followers, and friends.**
4. **Trends and Search: You can search for tweets based on specific keywords, hashtags, and locations.**