**Threading in Android:**

Threading is the practice of executing multiple tasks concurrently. Android, like many modern platforms, employs a multithreaded model to balance workload and maintain responsiveness. Here are key aspects of threading in Android:

**UI Thread (Main Thread):**

The UI thread is responsible for handling user interactions and updating the user interface. Long-running tasks on this thread can lead to UI freezes.

**Background Threads:**

Android developers often create additional threads to perform tasks that could block the UI thread. Kotlin coroutines provide a concise and efficient way to handle asynchronous tasks without resorting to traditional threading mechanisms.