**Threads vs Coroutines**

**Advantages of Coroutines over Threads:**

1. ****Structured Concurrency****: Coroutines provide a structured way to manage concurrency, making it easier to handle complex asynchronous operations. They allow developers to write sequential-looking code while still achieving concurrency.
2. ****Lightweight****: Coroutines are lightweight compared to threads, as they don’t require creating and managing additional system resources. This makes coroutines more efficient in terms of memory usage.
3. ****Suspend and Resume****: Coroutines allow for suspending and resuming execution at specific points, making it easier to handle long-running tasks without blocking the main thread. This helps in keeping the UI responsive and improves the overall user experience.
4. **Exception Handling:** Coroutines provide built-in exception handling mechanisms, making it easier to handle and propagate exceptions within the coroutine context.
5. Unlike threads for coroutines, the application by default does not wait for it to finish the execution