==A4: AsyncTask is a class provided by the Android framework that allows you to perform background operations and update the UI thread with the results.== It's commonly used for tasks such as downloading files, performing network operations, or processing large amounts of data that could potentially block the UI thread and cause the application to become unresponsive. ●By extending the AsyncTask class and implementing its methods (e.g., doInBackground(), onPostExecute()), you can execute long-running tasks in the background while keeping the UI thread free to respond to user interactions.