



Understanding **SQLite3** source code

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Implementation of sqlite_backup & restore function

This function will help us to in various sector like data protection, database migration, testing & development, data replication, data archiving & security & compliance.

sqlite3_backup_init(sqlite3 *dest_handle, const char *dest_name, sqlite3 *source_handle, const char *source_name) initialize a backup operation between two sqlite database. It returns a pointer to a backup object that represent the ongoing backup process.

sqlite3_backup_step(sqlite3_backup *p, int n) p is backup object created by backup_init() & n is the number of page to copy in a single step.

Performs a step in the backup process. It returns **SQLITE_DONE** when the backup is complete or **SQLITE_OK** if there are more page to copy. It needs a infinite loop until it returns SQLITE_DONE.

sqlite3_backup_finish(sqlite_backup *pbackup) pbackup is the backup object pointer created by the backup_init().

Finalize the backup operation & releases associated resources. If this function returns **SQLITE_OK** that ensures backup operations are successfully finished.