

```
initDB() async {
  Directory documentsDirectory = await getApplicationDocumentsDirectory();
  String path = join(documentsDirectory.path, "TestDB.db");
  return await openDatabase(path, version: 1, onOpen: (db) {},
    onCreate: (Database db, int version) async {
      await db.execute("CREATE TABLE Stories ("
        "id INTEGER PRIMARY KEY,"
        "heading TEXT,"
        "context TEXT"
        ");");
      await db.execute("CREATE TABLE Tasks ("
        "id INTEGER PRIMARY KEY,"
        "heading TEXT,"
        "context TEXT,"
        "due INTEGER,"
        "status INTEGER"
        ");");
      await db.execute("CREATE TABLE Changes ("
        "id INTEGER PRIMARY KEY,"
        "storyid INTEGER,"
        "datetime INTEGER,"
        "newValue TEXT,"
        "oldValue TEXT"
        ");");
    });
}
```

Runs after creation of database

Gets the directory that the apps data will be stored in.
This works on android, ios, and desktop

creates the path where the database will be stored using the directory from the previos line

SQLite queries
Create tables in the database

async

Means the code in the function will run asynchronously.

await

Program will await completion of this task before continueing.
can only be used in flucitons marked as async