

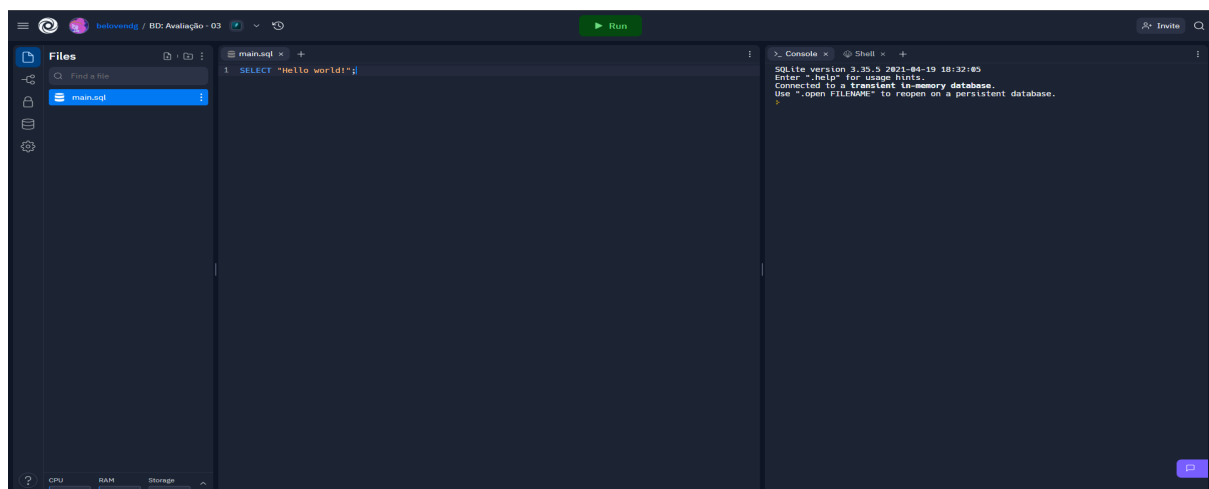
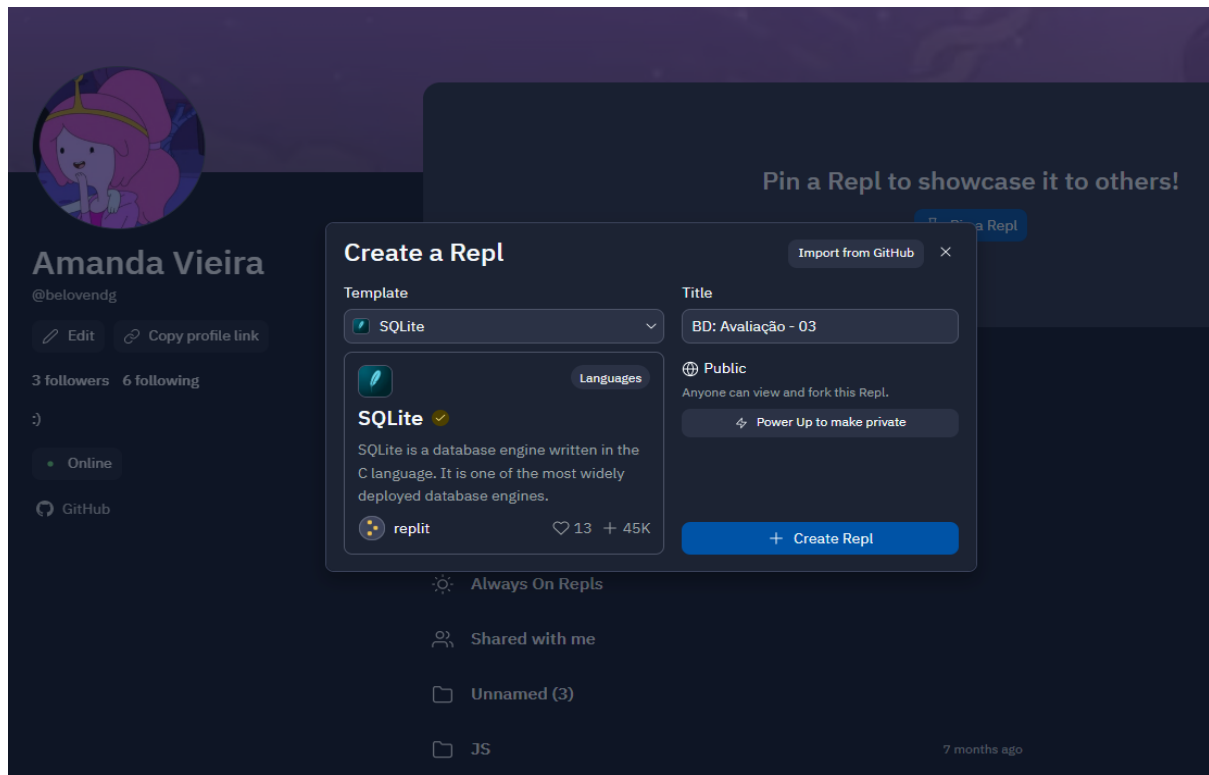
INFO - BD - AVALIAÇÃO 03: CRIAÇÃO DO BD - 28/09



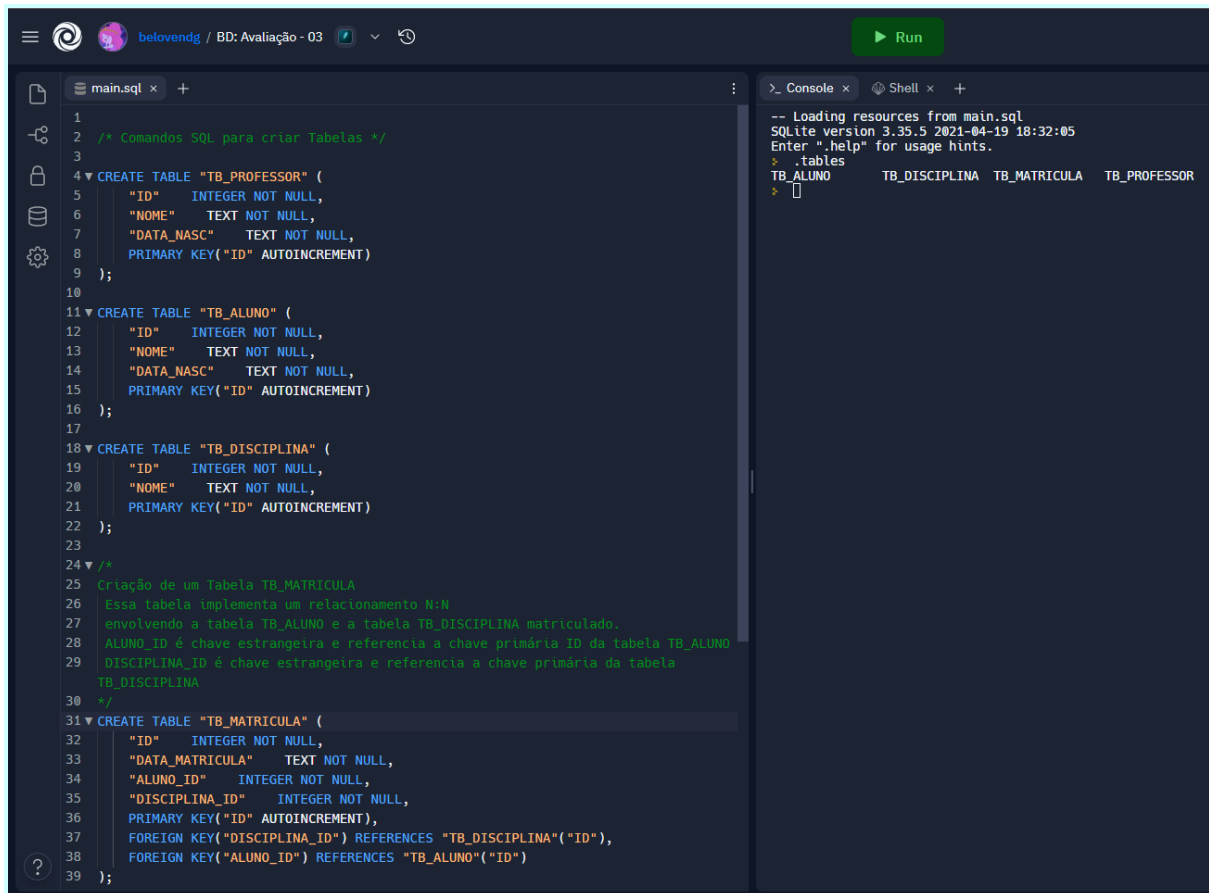
Professor: Ricardo Duarte Taveira

Alunos: Amanda Cavalcante Vieira e Caio Vieira Cajazeiras

1º passo: Criar um Replit com a linguagem SQLite.



2º passo: Criar as tabelas com os comandos CREATE TABLE no arquivo main.sql



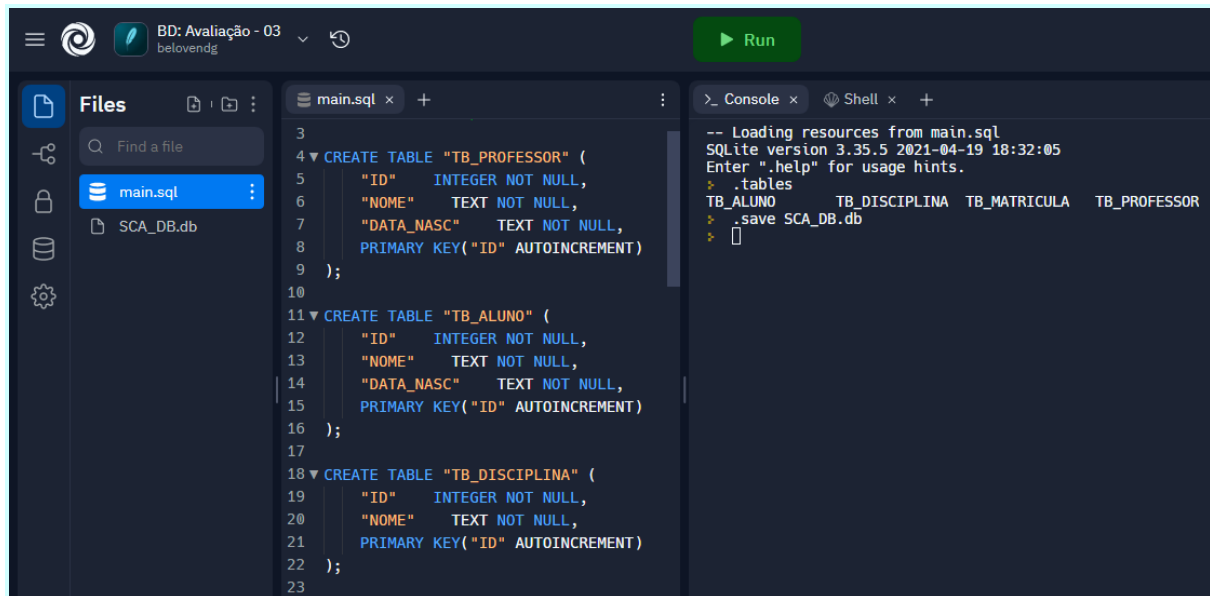
The screenshot shows a code editor with a file named `main.sql` containing SQL commands to create four tables: `TB_PROFESSOR`, `TB_ALUNO`, `TB_DISCIPLINA`, and `TB_MATRICULA`. The `TB_MATRICULA` table is a junction table for an N:M relationship between `TB_ALUNO` and `TB_DISCIPLINA`. The console output shows the result of the `.tables` command, listing the four tables.

```
1
2 /* Comandos SQL para criar Tabelas */
3
4 CREATE TABLE "TB_PROFESSOR" (
5     "ID" INTEGER NOT NULL,
6     "NOME" TEXT NOT NULL,
7     "DATA_NASC" TEXT NOT NULL,
8     PRIMARY KEY("ID" AUTOINCREMENT)
9 );
10
11 CREATE TABLE "TB_ALUNO" (
12     "ID" INTEGER NOT NULL,
13     "NOME" TEXT NOT NULL,
14     "DATA_NASC" TEXT NOT NULL,
15     PRIMARY KEY("ID" AUTOINCREMENT)
16 );
17
18 CREATE TABLE "TB_DISCIPLINA" (
19     "ID" INTEGER NOT NULL,
20     "NOME" TEXT NOT NULL,
21     PRIMARY KEY("ID" AUTOINCREMENT)
22 );
23
24 /*
25 Criação de um Tabela TB_MATRICULA
26 Essa tabela implementa um relacionamento N:M
27 envolvendo a tabela TB_ALUNO e a tabela TB_DISCIPLINA matriculado.
28 ALUNO_ID é chave estrangeira e referencia a chave primária ID da tabela TB_ALUNO
29 DISCIPLINA_ID é chave estrangeira e referencia a chave primária da tabela
30 TB_DISCIPLINA
31 */
32 CREATE TABLE "TB_MATRICULA" (
33     "ID" INTEGER NOT NULL,
34     "DATA_MATRICULA" TEXT NOT NULL,
35     "ALUNO_ID" INTEGER NOT NULL,
36     "DISCIPLINA_ID" INTEGER NOT NULL,
37     PRIMARY KEY("ID" AUTOINCREMENT),
38     FOREIGN KEY("DISCIPLINA_ID") REFERENCES "TB_DISCIPLINA"("ID"),
39     FOREIGN KEY("ALUNO_ID") REFERENCES "TB_ALUNO"("ID")
40 );
```

Console Output:

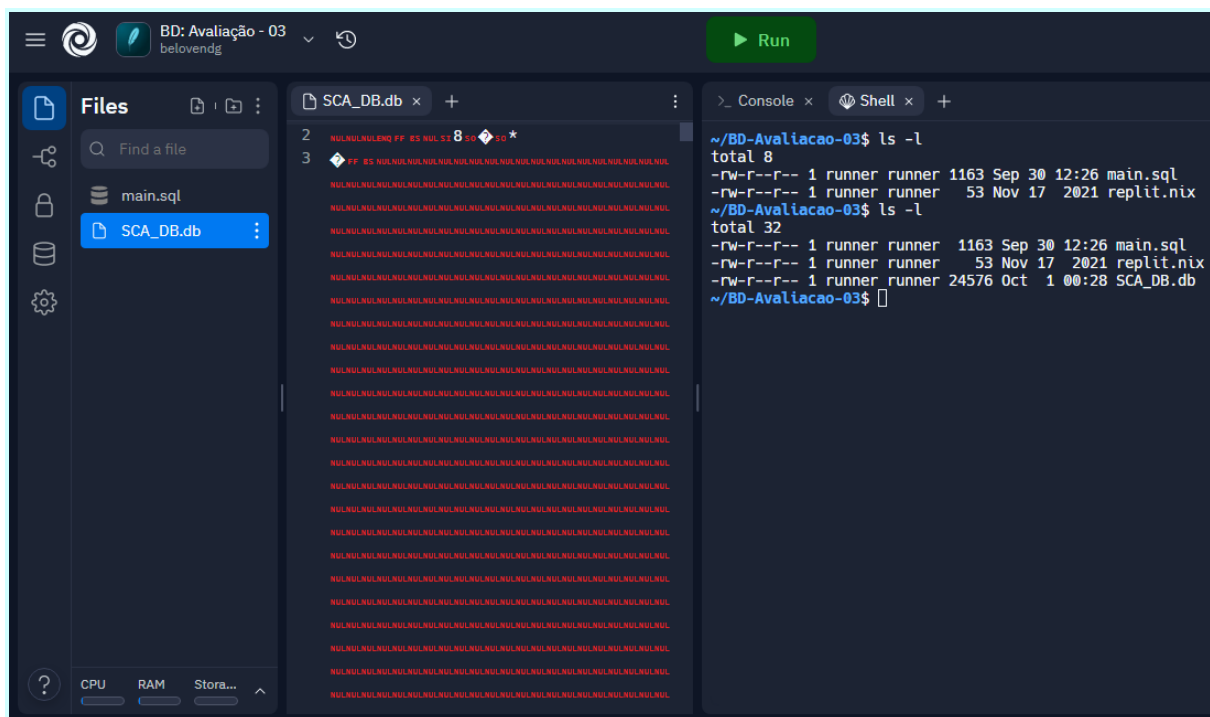
```
-- Loading resources from main.sql
SQLite version 3.35.5 2021-04-19 18:32:05
Enter ".help" for usage hints.
> .tables
TB_ALUNO          TB_DISCIPLINA    TB_MATRICULA     TB_PROFESSOR
```

3º passo: Usar o comando `> .save SCA_DB.db` para salvar no diretório criado do no Replit



```
3
4 CREATE TABLE "TB_PROFESSOR" (
5   "ID"      INTEGER NOT NULL,
6   "NOME"    TEXT NOT NULL,
7   "DATA_NASC" TEXT NOT NULL,
8   PRIMARY KEY("ID" AUTOINCREMENT)
9 );
10
11 CREATE TABLE "TB_ALUNO" (
12   "ID"      INTEGER NOT NULL,
13   "NOME"    TEXT NOT NULL,
14   "DATA_NASC" TEXT NOT NULL,
15   PRIMARY KEY("ID" AUTOINCREMENT)
16 );
17
18 CREATE TABLE "TB_DISCIPLINA" (
19   "ID"      INTEGER NOT NULL,
20   "NOME"    TEXT NOT NULL,
21   PRIMARY KEY("ID" AUTOINCREMENT)
22 );
23
```

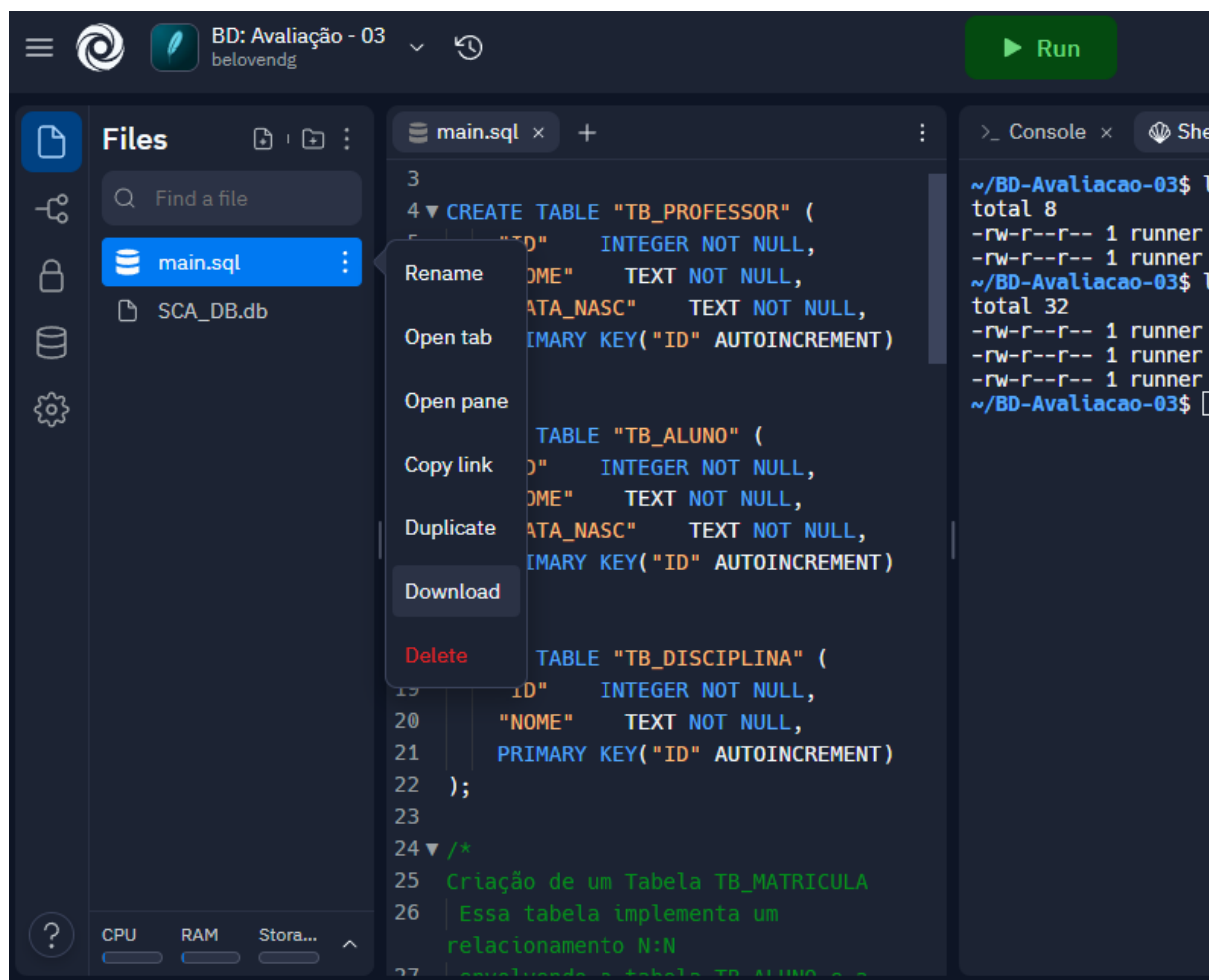
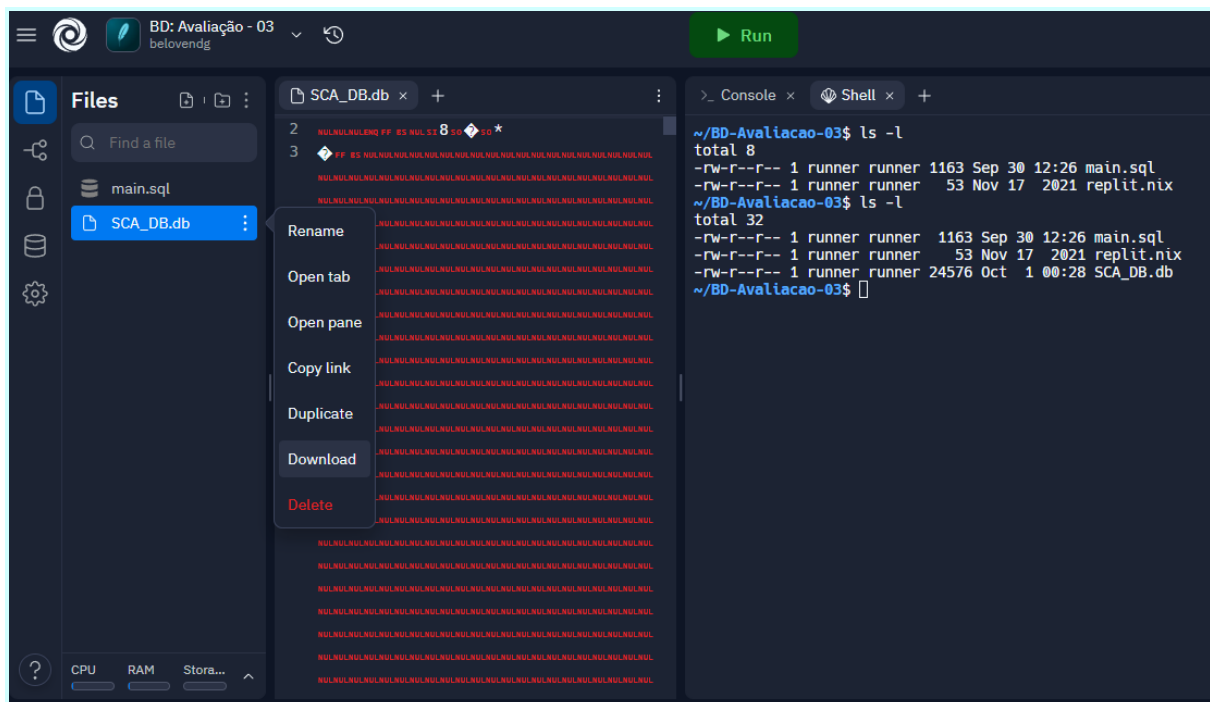
```
-- Loading resources from main.sql
SQLite version 3.35.5 2021-04-19 18:32:05
Enter ".help" for usage hints.
> .tables
TB_ALUNO      TB_DISCIPLINA  TB_MATRICULA  TB_PROFESSOR
> .save SCA_DB.db
>
```



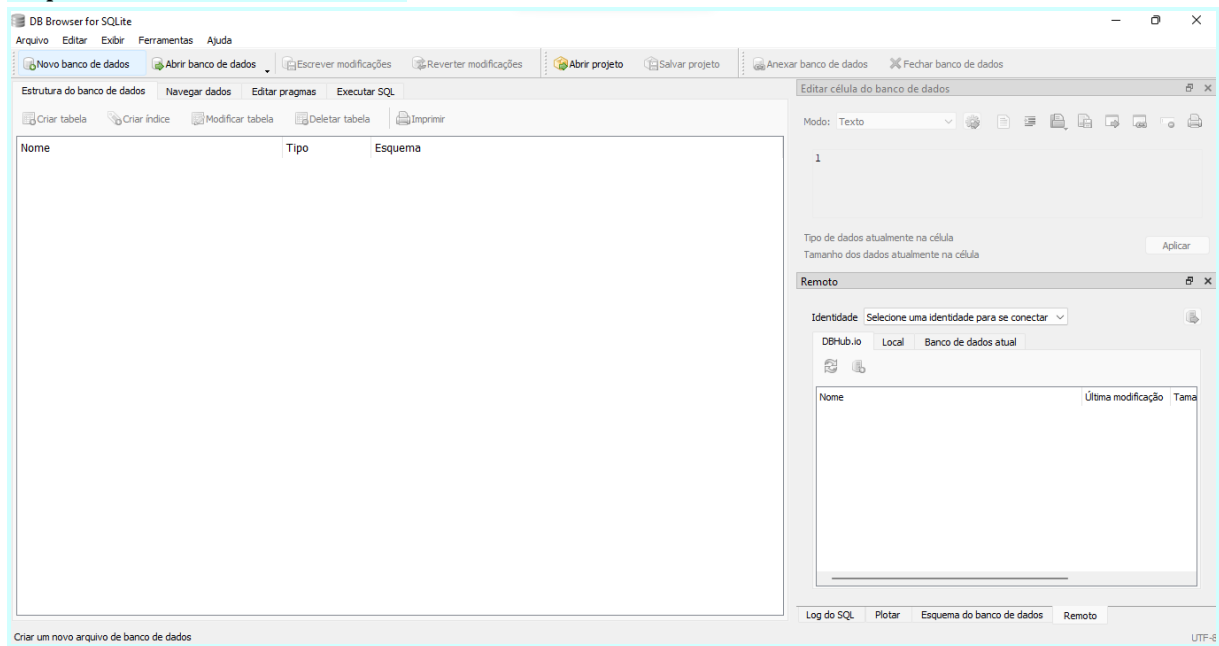
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```

```
~/BD-Avaliacao-03$ ls -l
total 8
-rw-r--r-- 1 runner runner 1163 Sep 30 12:26 main.sql
-rw-r--r-- 1 runner runner 53 Nov 17 2021 replit.nix
~/BD-Avaliacao-03$ ls -l
total 32
-rw-r--r-- 1 runner runner 1163 Sep 30 12:26 main.sql
-rw-r--r-- 1 runner runner 53 Nov 17 2021 replit.nix
-rw-r--r-- 1 runner runner 24576 Oct 1 00:28 SCA_DB.db
~/BD-Avaliacao-03$
```

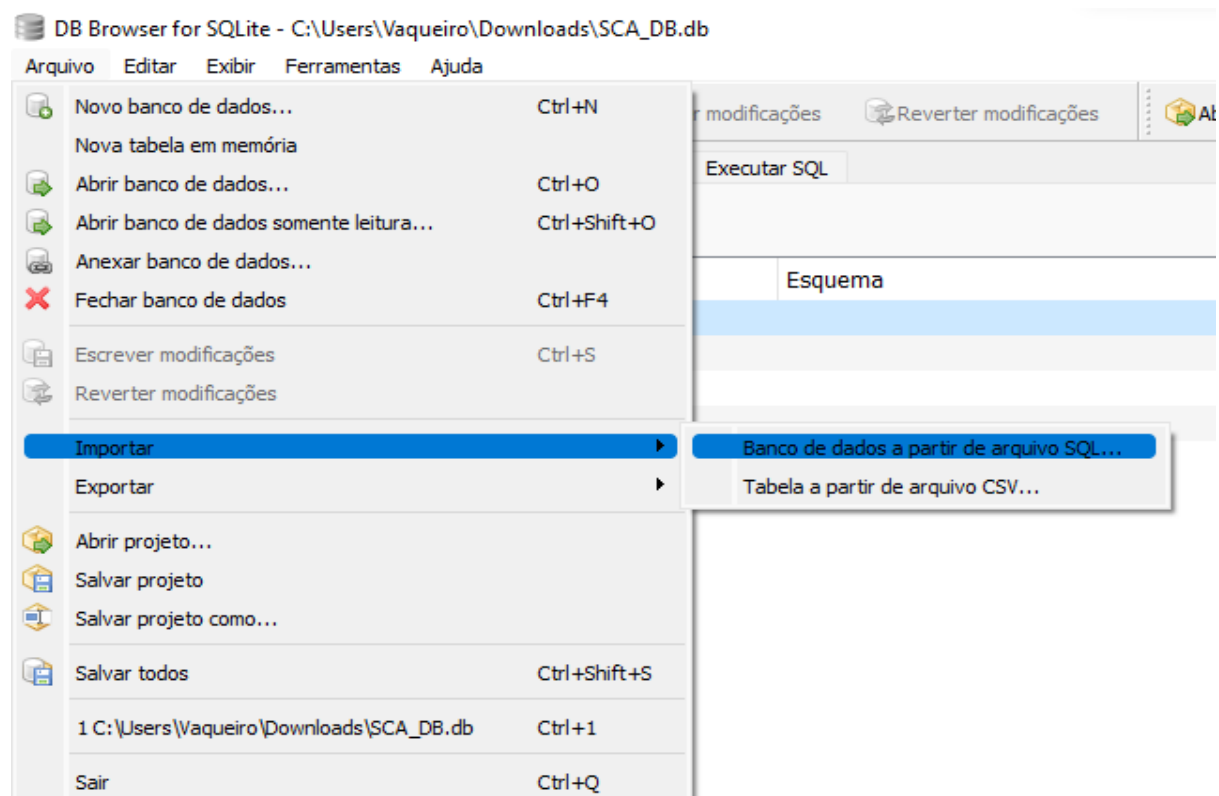
4º passo: Fazer o download do arquivo criado no seu computador

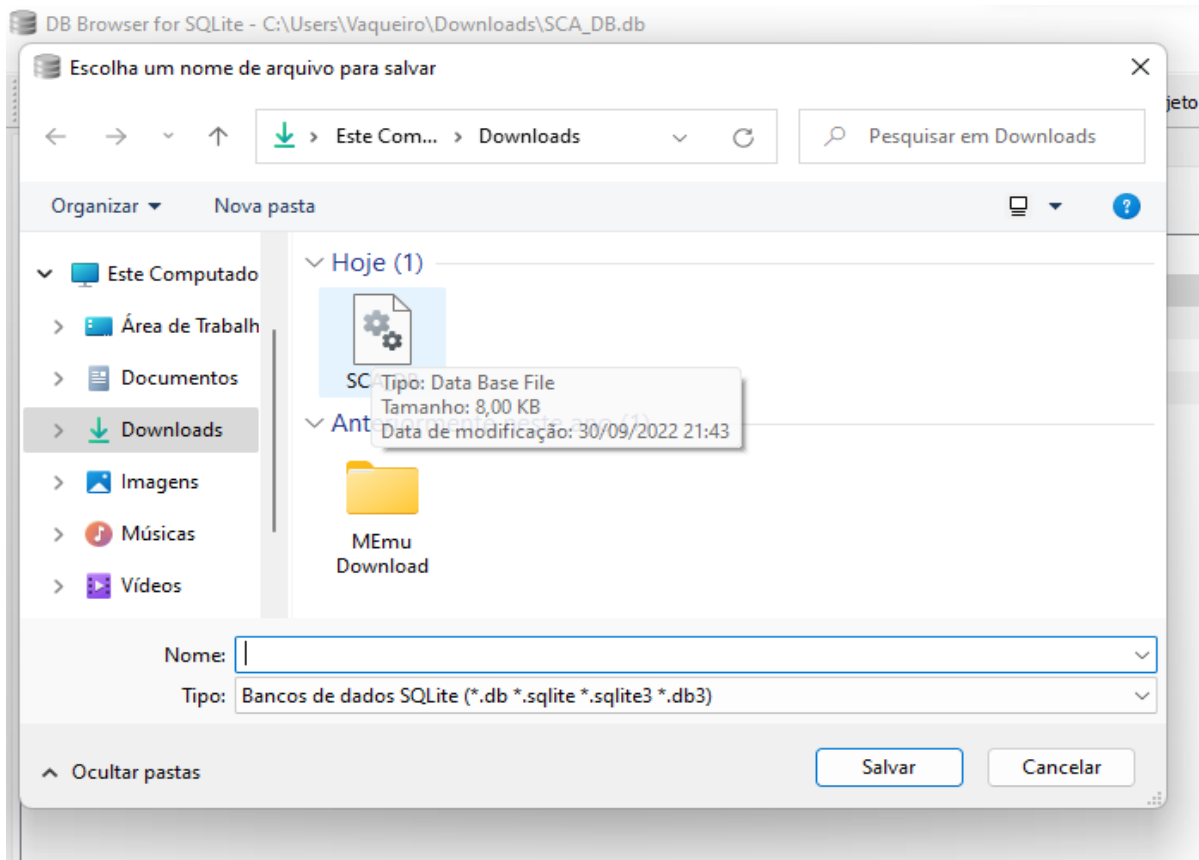
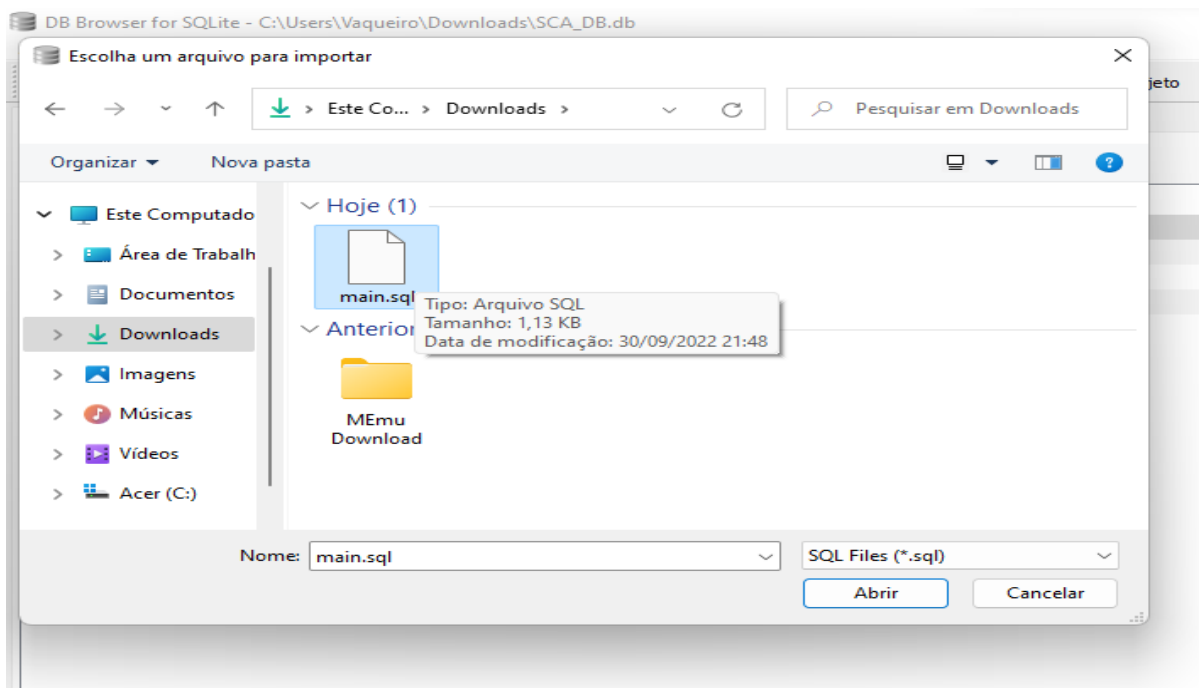


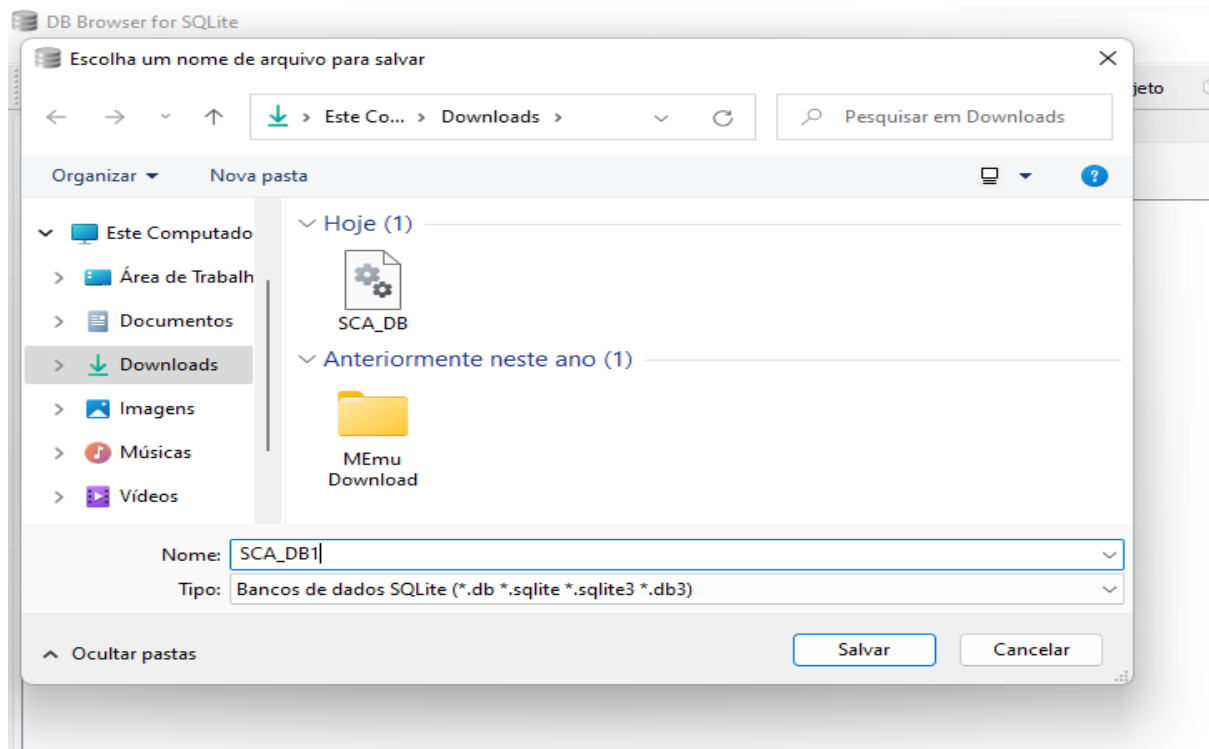
5º passo: Abrir o DB Browser



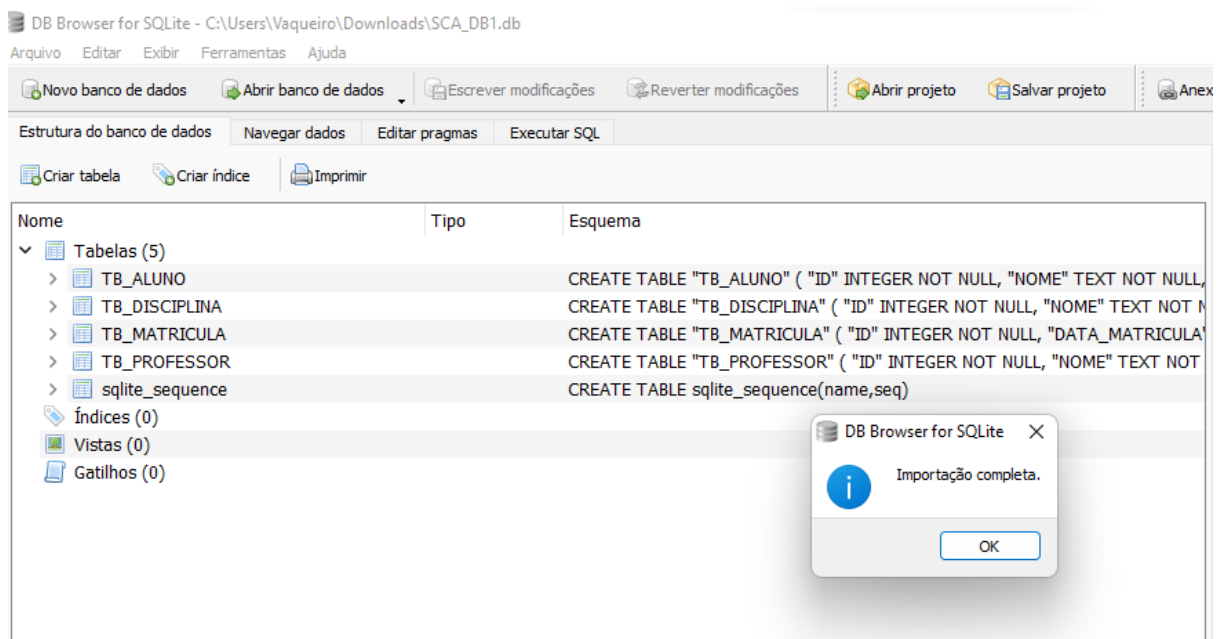
6º passo: Importar o BD a partir do arquivo SQL

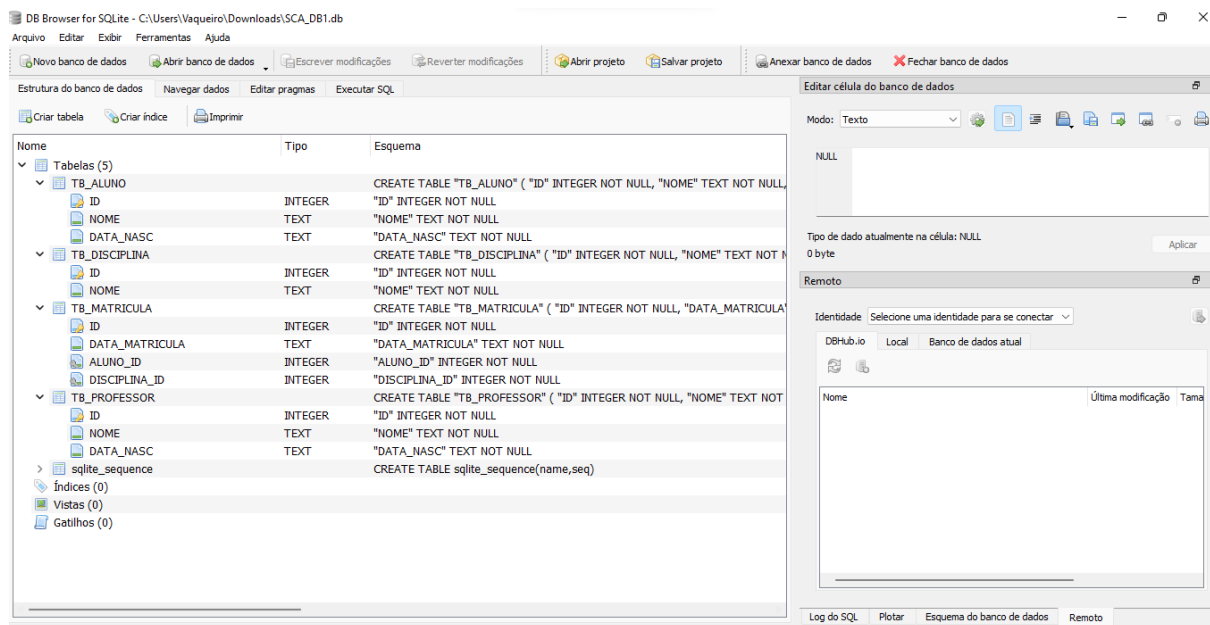




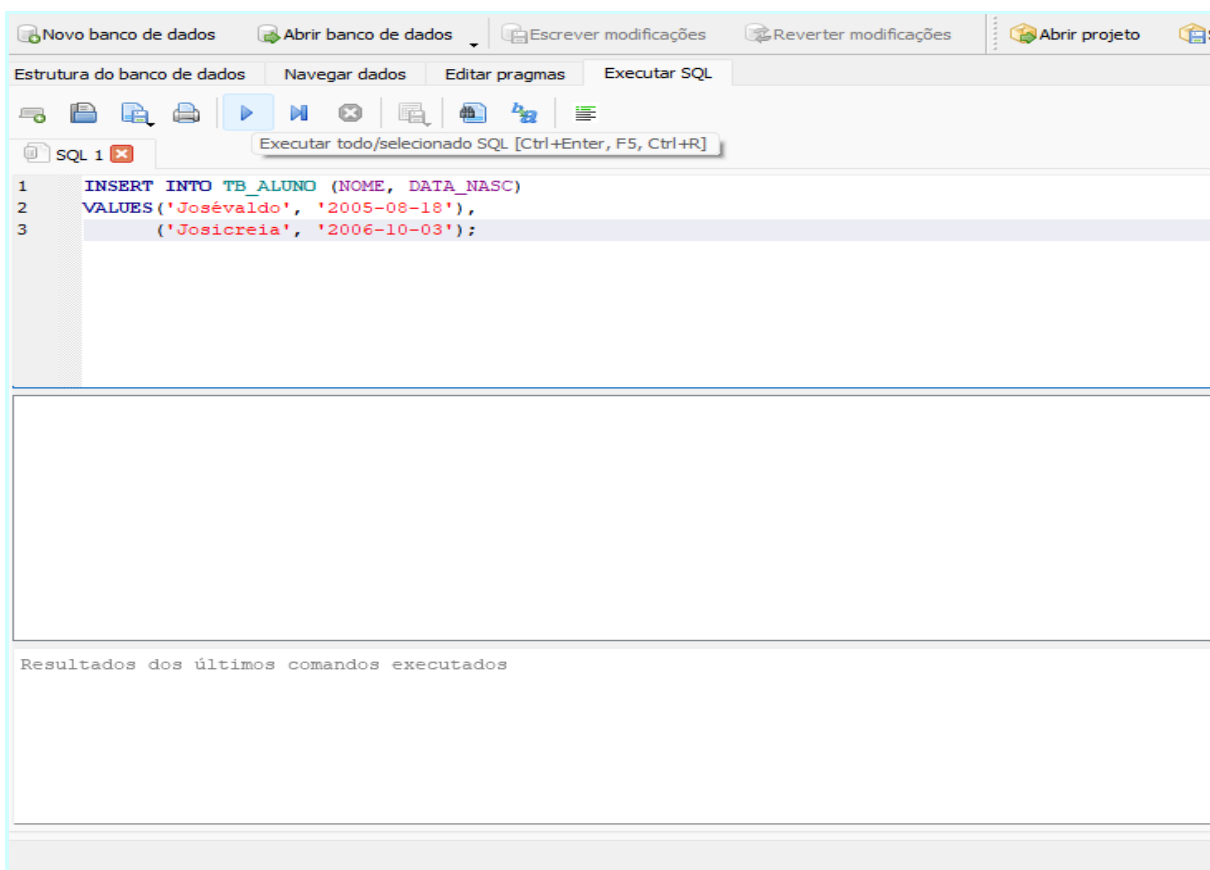


- Importação do BD feito no Replit para o DB Browser realizada com sucesso!





7º passo: Usar o DBROWSER ou Beekeeper para fazer alterações no banco de dados SCA_DB.bd



Estrutura do banco de dados
Navegar dados
Editar pragmas
Executar SQL

SQL 1

```

1  INSERT INTO TB_ALUNO (NOME, DATA_NASC)
2  VALUES ('Josévaldo', '2005-08-18'),
3         ('Josicreia', '2006-10-03');

```

Execução finalizada sem erros.
Resultado: consulta executada com sucesso. Levou 3ms, 2 linhas afetadas
Na linha 1:
INSERT INTO TB_ALUNO (NOME, DATA_NASC)
VALUES ('Josévaldo', '2005-08-18'),
('Josicreia', '2006-10-03');

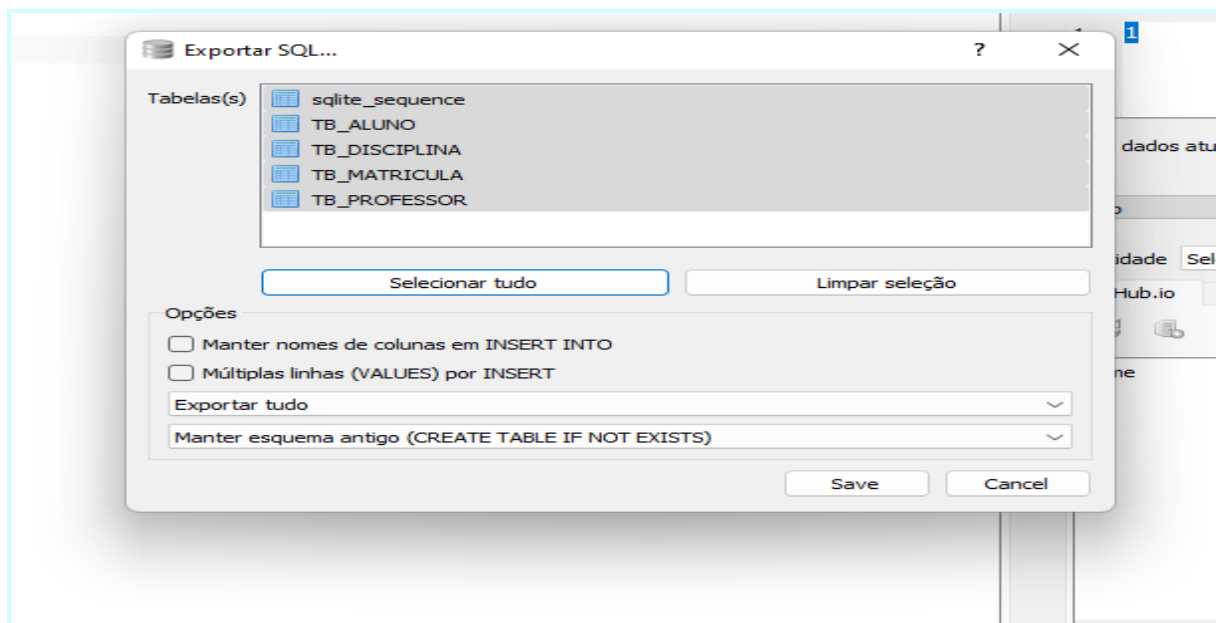
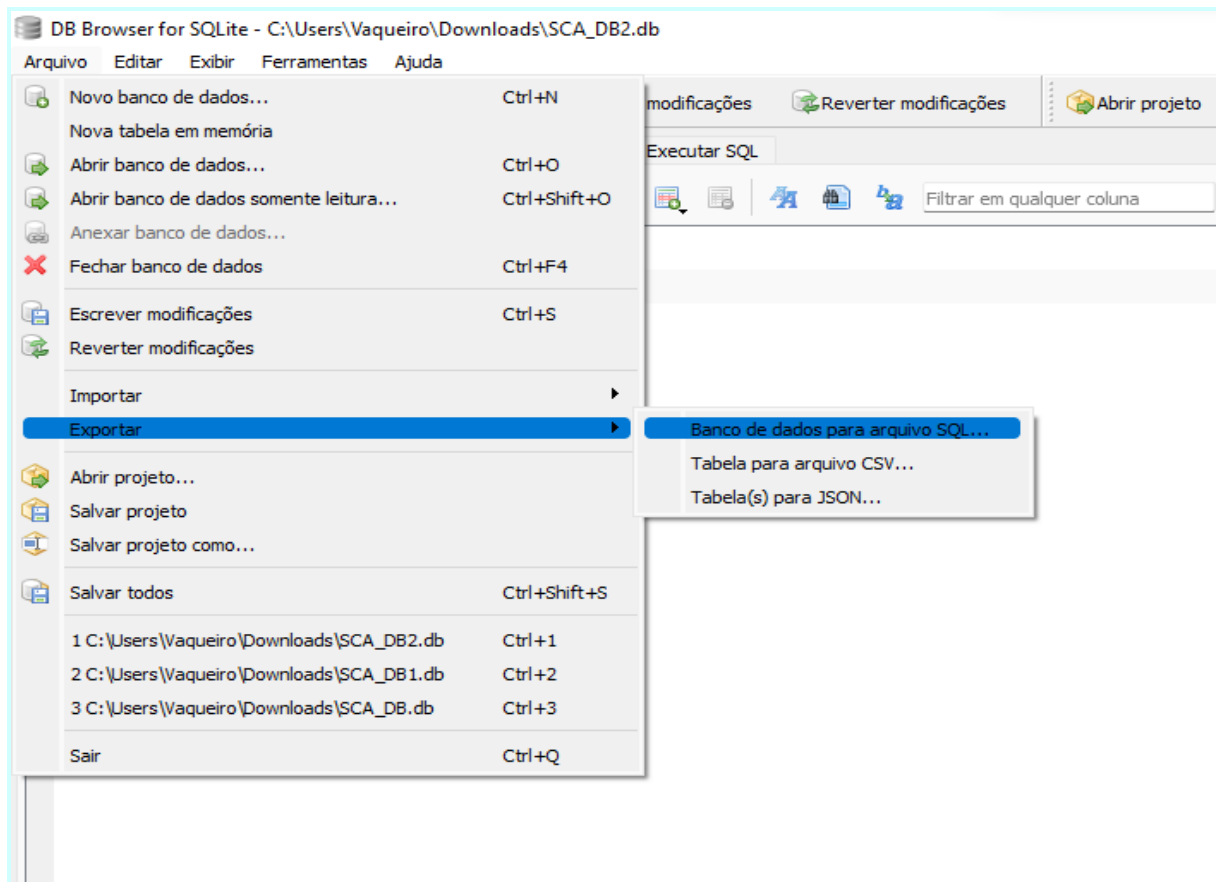
Novo banco de dados
Abrir banco de dados
Escrever modificações
Reverter modificações
Abrir projeto

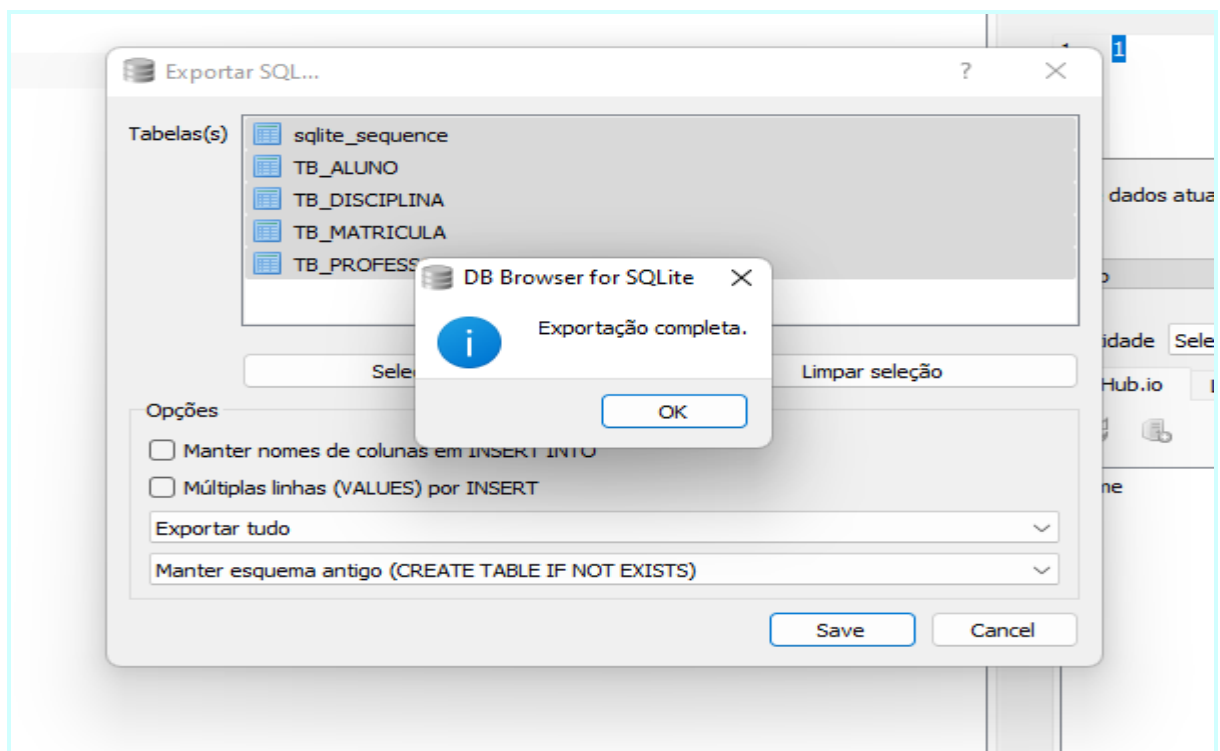
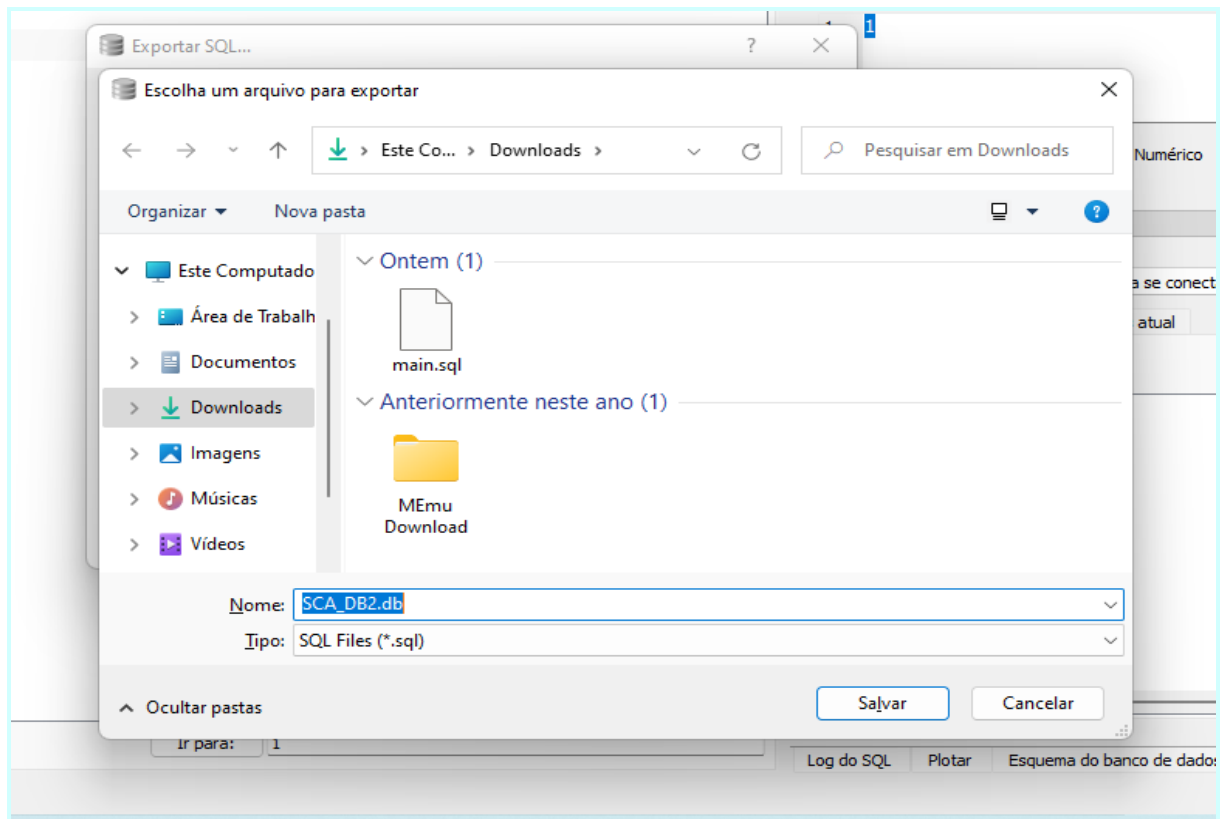
Estrutura do banco de dados
Navegar dados
Editar pragmas
Executar SQL

Tabela: TB_ALUNO

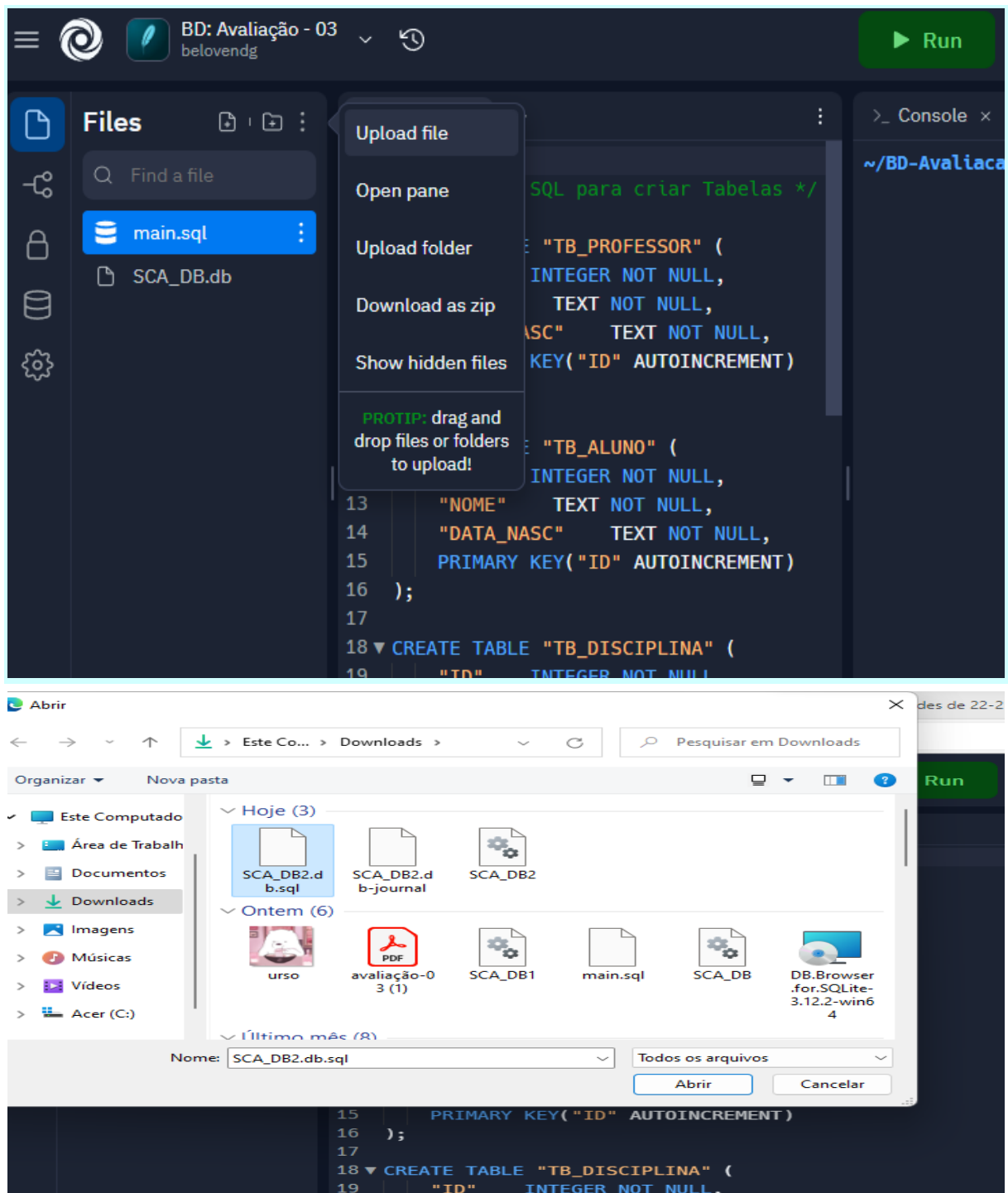
	ID	NOME	DATA_NASC
	Filtro	Filtro	Filtro
1	1	Josévaldo	2005-08-18
2	2	Josicreia	2006-10-03

8º passo: exportar o BD a partir do arquivo SQL

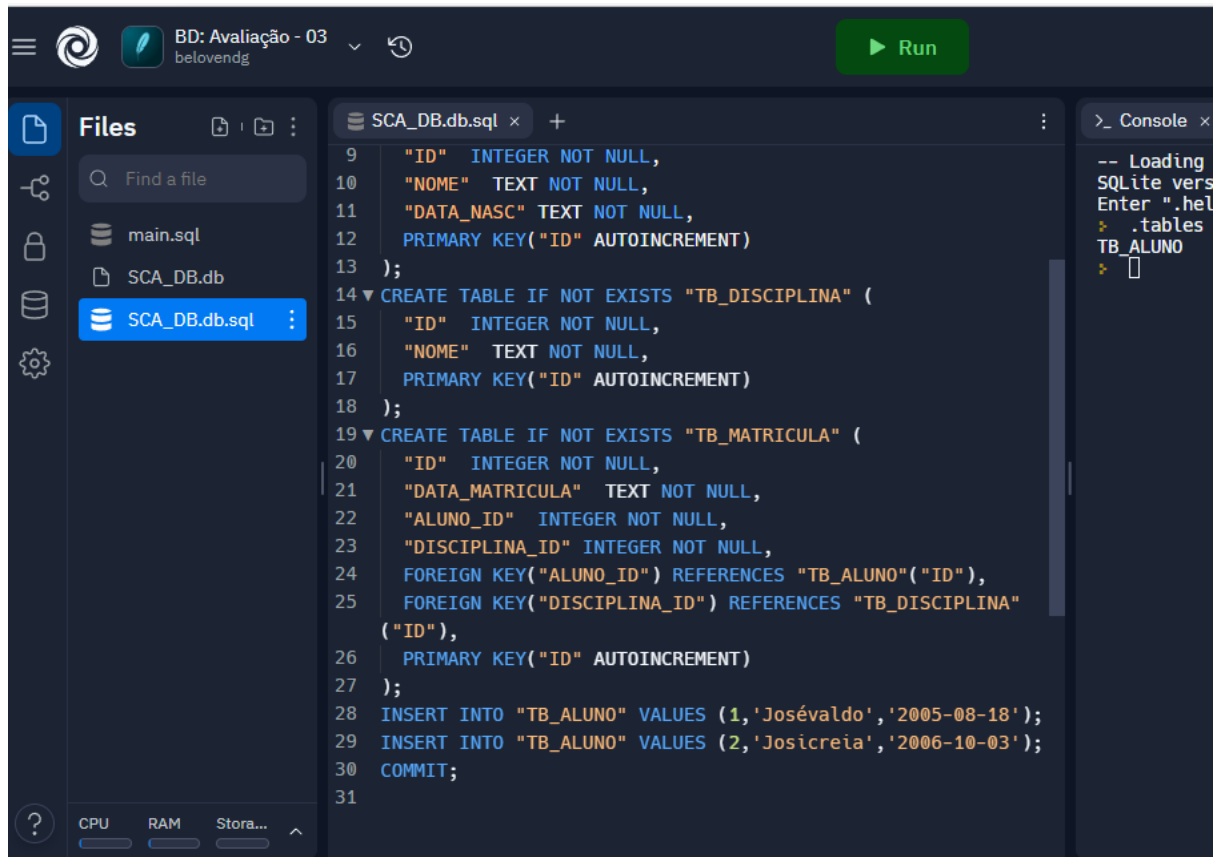




9º passo: Fazer o UPLOAD do arquivo SCA_DB.bd para o seu Replit.



- Exportação do BD alterado no BD Browser para o Replit realizada com sucesso!



```
9  "ID" INTEGER NOT NULL,
10 "NOME" TEXT NOT NULL,
11 "DATA_NASC" TEXT NOT NULL,
12 PRIMARY KEY("ID" AUTOINCREMENT)
13 );
14 CREATE TABLE IF NOT EXISTS "TB_DISCIPLINA" (
15   "ID" INTEGER NOT NULL,
16   "NOME" TEXT NOT NULL,
17   PRIMARY KEY("ID" AUTOINCREMENT)
18 );
19 CREATE TABLE IF NOT EXISTS "TB_MATRICULA" (
20   "ID" INTEGER NOT NULL,
21   "DATA_MATRICULA" TEXT NOT NULL,
22   "ALUNO_ID" INTEGER NOT NULL,
23   "DISCIPLINA_ID" INTEGER NOT NULL,
24   FOREIGN KEY("ALUNO_ID") REFERENCES "TB_ALUNO"("ID"),
25   FOREIGN KEY("DISCIPLINA_ID") REFERENCES "TB_DISCIPLINA"
26   ("ID"),
27   PRIMARY KEY("ID" AUTOINCREMENT)
28 );
29 INSERT INTO "TB_ALUNO" VALUES (1,'Josévaldo','2005-08-18');
30 INSERT INTO "TB_ALUNO" VALUES (2,'Josicreia','2006-10-03');
31 COMMIT;
```

```
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SQLite vers
Enter ".hel
> .tables
TB_ALUNO
> 
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