

Nome(s): Luiz Henrique da Silva Bezerra e Daniel Anastácio Gomes Cunha

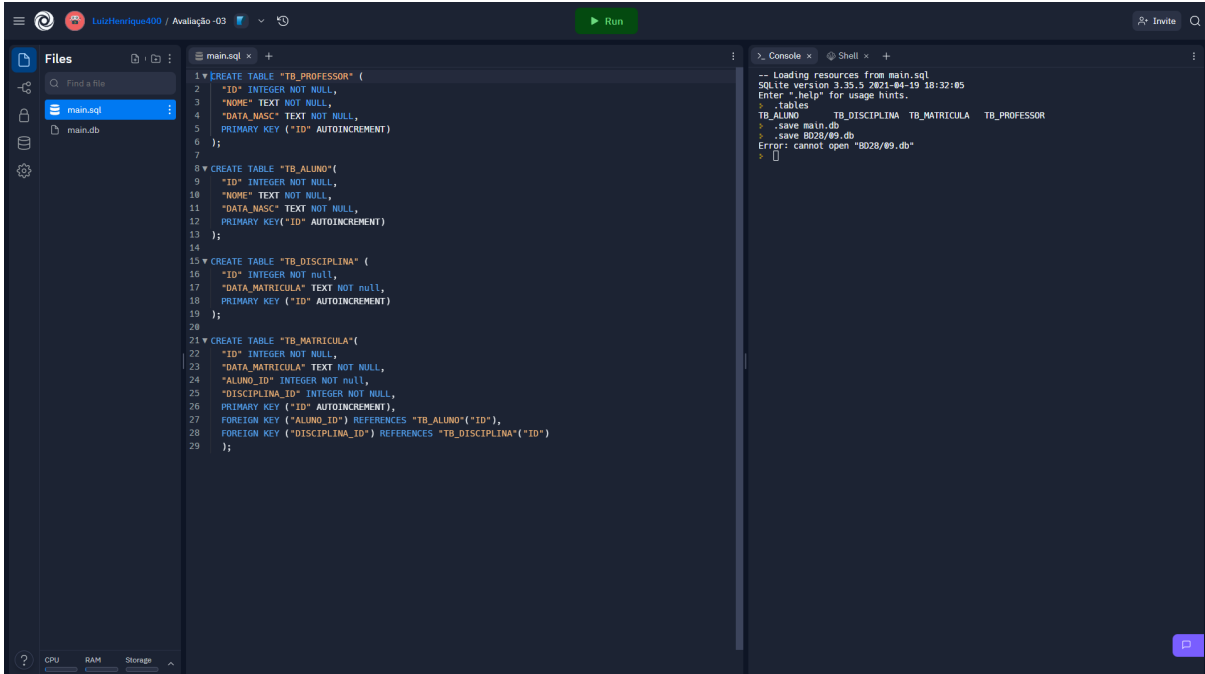
Professor(a): Ricardo Duarte Taveira

Disciplina: Banco de Dados

Data: 28 de Setembro de 2022

Curso/Turma: P4 Integrado em Informática

1) Criar um Banco de Dados SCA\_BD.db no Replit a partir das anotações da aula do dia 26-09-2022.



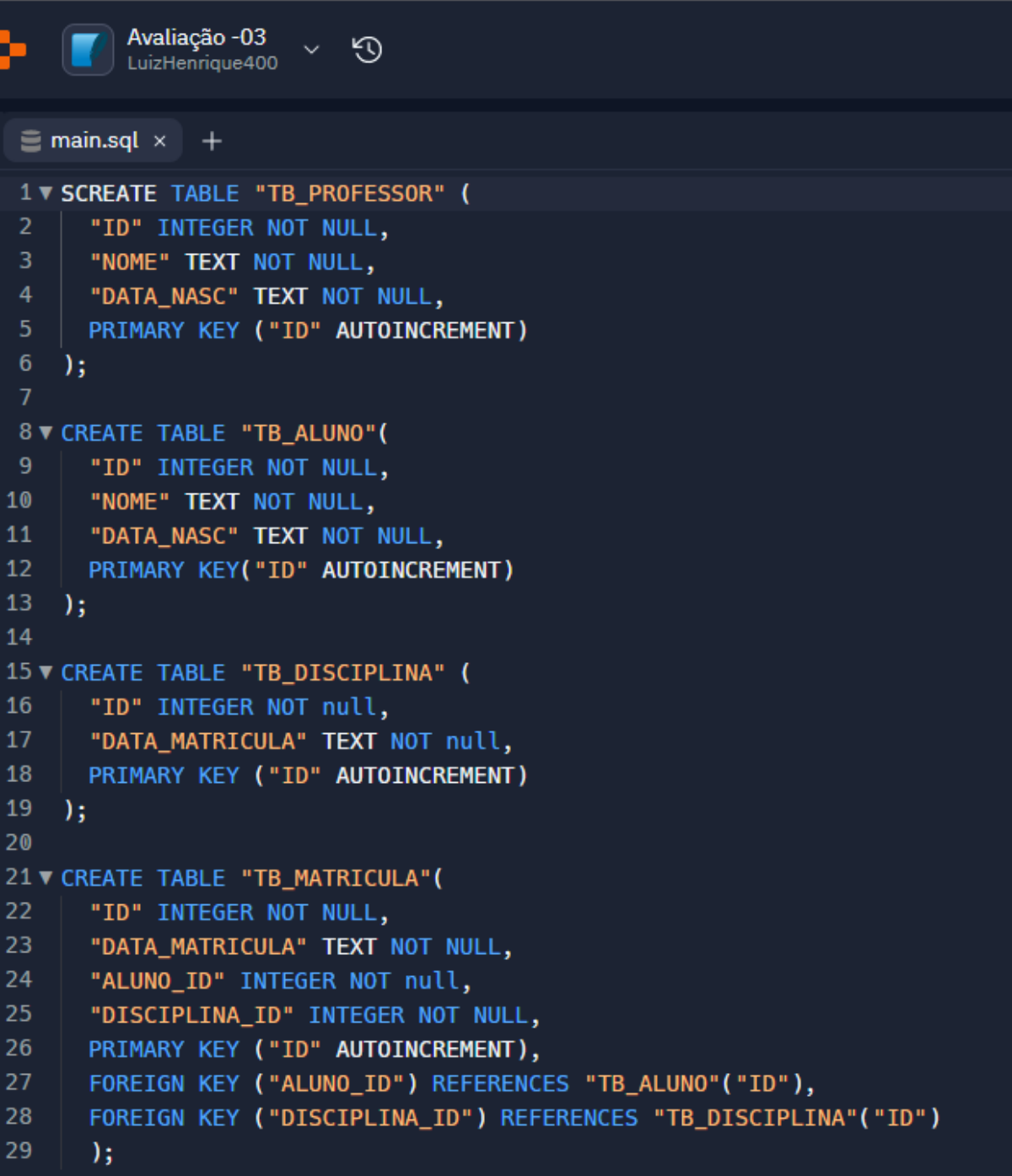
The screenshot shows a Replit environment with a file explorer on the left, a code editor in the center, and a console on the right. The code editor contains the following SQL code:

```
1 CREATE TABLE "TB_PROFESSOR" (  
2   "ID" INTEGER NOT NULL,  
3   "NOME" TEXT NOT NULL,  
4   "DATA_NASC" TEXT NOT NULL,  
5   PRIMARY KEY ("ID" AUTOINCREMENT)  
6 );  
7  
8 CREATE TABLE "TB_ALUNO"(  
9   "ID" INTEGER NOT NULL,  
10  "NOME" TEXT NOT NULL,  
11  "DATA_NASC" TEXT NOT NULL,  
12  PRIMARY KEY("ID" AUTOINCREMENT)  
13 );  
14  
15 CREATE TABLE "TB_DISCIPLINA" (  
16   "ID" INTEGER NOT null,  
17   "DATA_MATRICULA" TEXT NOT null,  
18   PRIMARY KEY ("ID" AUTOINCREMENT)  
19 );  
20  
21 CREATE TABLE "TB_MATRICULA"(  
22   "ID" INTEGER NOT NULL,  
23   "DATA_MATRICULA" TEXT NOT NULL,  
24   "ALUNO_ID" INTEGER NOT null,  
25   "DISCIPLINA_ID" INTEGER NOT NULL,  
26   PRIMARY KEY ("ID" AUTOINCREMENT),  
27   FOREIGN KEY ("ALUNO_ID") REFERENCES "TB_ALUNO"("ID"),  
28   FOREIGN KEY ("DISCIPLINA_ID") REFERENCES "TB_DISCIPLINA"("ID")  
29 );
```

The console on the right shows the output of the SQL code execution:

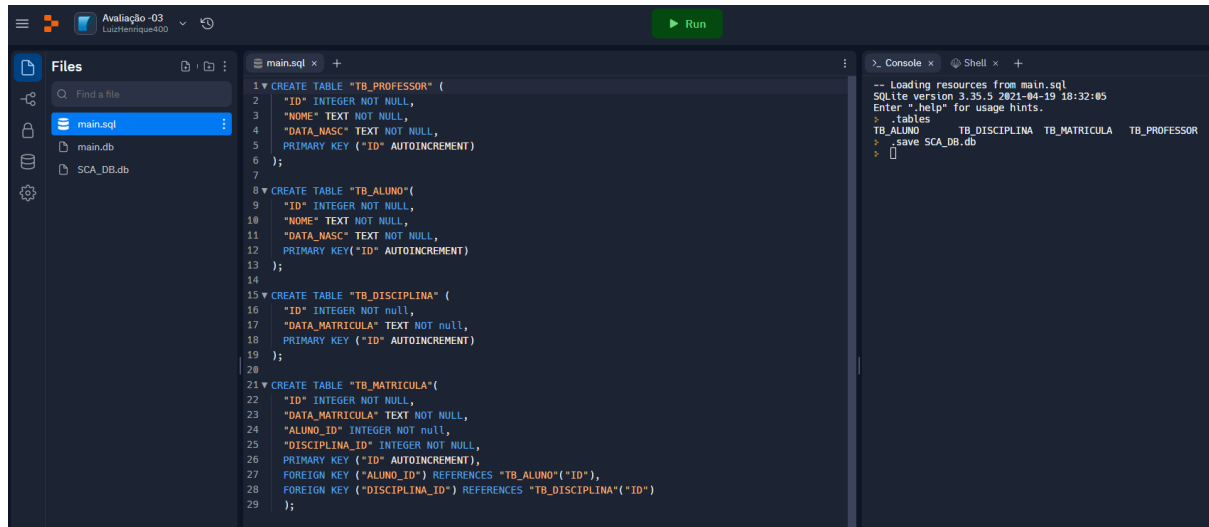
```
-- Loading resources from main.sql  
SQLite version 3.35.5 2021-04-19 18:32:05  
Enter ".help" for usage hints.  
Tables  
TB_ALUNO    TB_DISCIPLINA  TB_MATRICULA  TB_PROFESSOR  
> .save main.db  
> .save 8028/#9.db  
Error: cannot open "8028/#9.db"
```

2) Criar as tabelas com os comandos CREATE TABLE no arquivo main.sql.



```
1 ▼ SCREATE TABLE "TB_PROFESSOR" (  
2     "ID" INTEGER NOT NULL,  
3     "NOME" TEXT NOT NULL,  
4     "DATA_NASC" TEXT NOT NULL,  
5     PRIMARY KEY ("ID" AUTOINCREMENT)  
6 );  
7  
8 ▼ CREATE TABLE "TB_ALUNO"(  
9     "ID" INTEGER NOT NULL,  
10    "NOME" TEXT NOT NULL,  
11    "DATA_NASC" TEXT NOT NULL,  
12    PRIMARY KEY("ID" AUTOINCREMENT)  
13 );  
14  
15 ▼ CREATE TABLE "TB_DISCIPLINA" (  
16     "ID" INTEGER NOT null,  
17     "DATA_MATRICULA" TEXT NOT null,  
18     PRIMARY KEY ("ID" AUTOINCREMENT)  
19 );  
20  
21 ▼ CREATE TABLE "TB_MATRICULA"(  
22     "ID" INTEGER NOT NULL,  
23     "DATA_MATRICULA" TEXT NOT NULL,  
24     "ALUNO_ID" INTEGER NOT null,  
25     "DISCIPLINA_ID" INTEGER NOT NULL,  
26     PRIMARY KEY ("ID" AUTOINCREMENT),  
27     FOREIGN KEY ("ALUNO_ID") REFERENCES "TB_ALUNO"("ID"),  
28     FOREIGN KEY ("DISCIPLINA_ID") REFERENCES "TB_DISCIPLINA"("ID")  
29 );
```

3) Usar o comando > .save SCA\_DB.db para salvar no diretório criado do no seu replit.



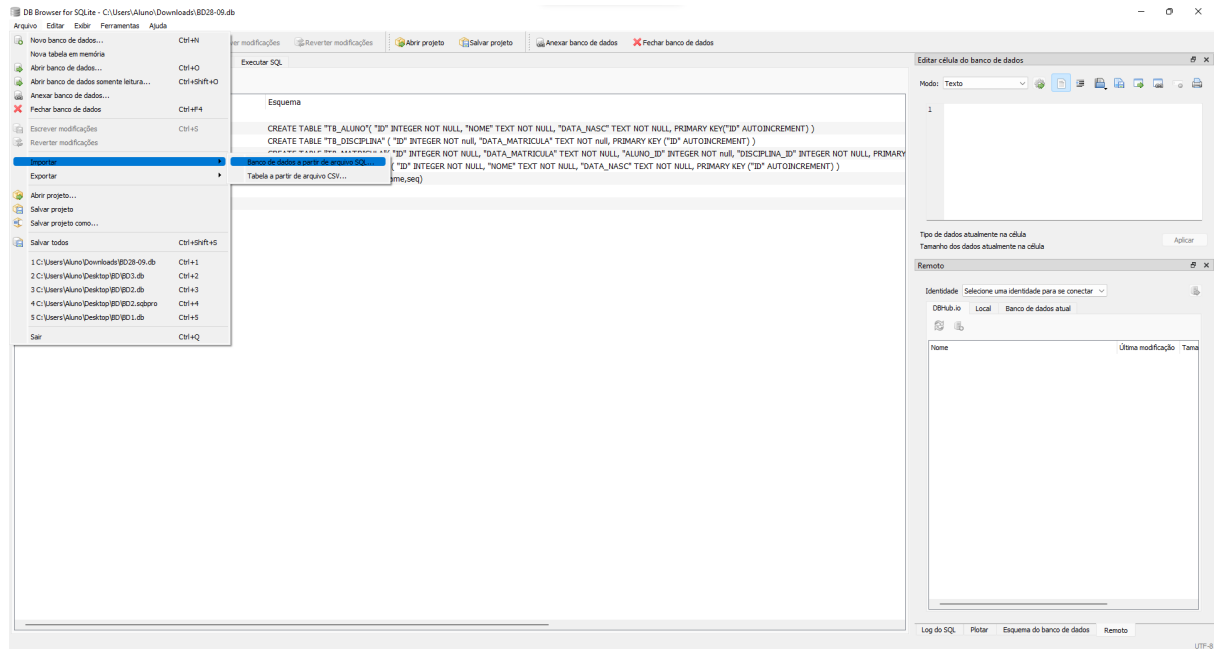
```
1 CREATE TABLE "TB_PROFESSOR" (
2   "ID" INTEGER NOT NULL,
3   "NOME" TEXT NOT NULL,
4   "DATA_NASC" TEXT NOT NULL,
5   PRIMARY KEY ("ID" AUTOINCREMENT)
6 );
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8 CREATE TABLE "TB_ALUNO" (
9   "ID" INTEGER NOT NULL,
10  "NOME" TEXT NOT NULL,
11  "DATA_NASC" TEXT NOT NULL,
12  PRIMARY KEY ("ID" AUTOINCREMENT)
13 );
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15 CREATE TABLE "TB_DISCIPLINA" (
16   "ID" INTEGER NOT NULL,
17   "DATA_MATRICULA" TEXT NOT NULL,
18   PRIMARY KEY ("ID" AUTOINCREMENT)
19 );
20
21 CREATE TABLE "TB_MATRICULA" (
22   "ID" INTEGER NOT NULL,
23   "DATA_MATRICULA" TEXT NOT NULL,
24   "ALUNO_ID" INTEGER NOT NULL,
25   "DISCIPLINA_ID" INTEGER NOT NULL,
26   PRIMARY KEY ("ID" AUTOINCREMENT),
27   FOREIGN KEY ("ALUNO_ID") REFERENCES "TB_ALUNO" ("ID"),
28   FOREIGN KEY ("DISCIPLINA_ID") REFERENCES "TB_DISCIPLINA" ("ID")
29 );
```

```
-- 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
>
```

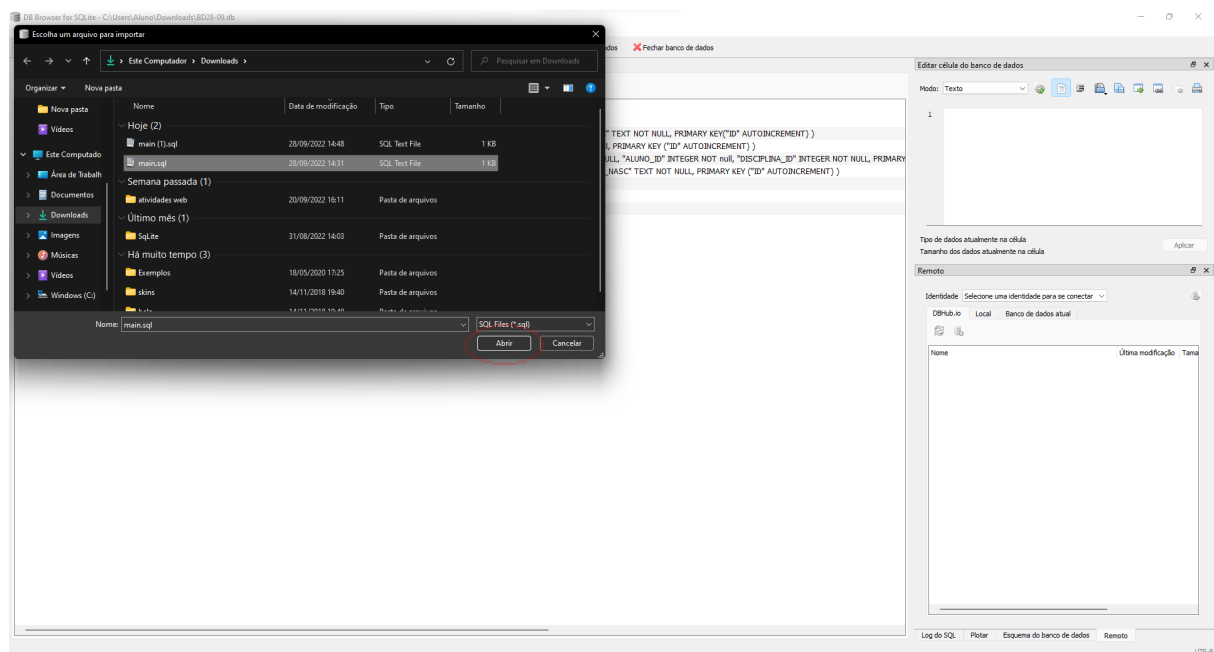
4) Fazer o download do arquivo criado no seu computador.

5) Usar o DBBROWSER ou Beekeeper para fazer alterações no banco de dados SCA\_DB.bd que foi alterado.

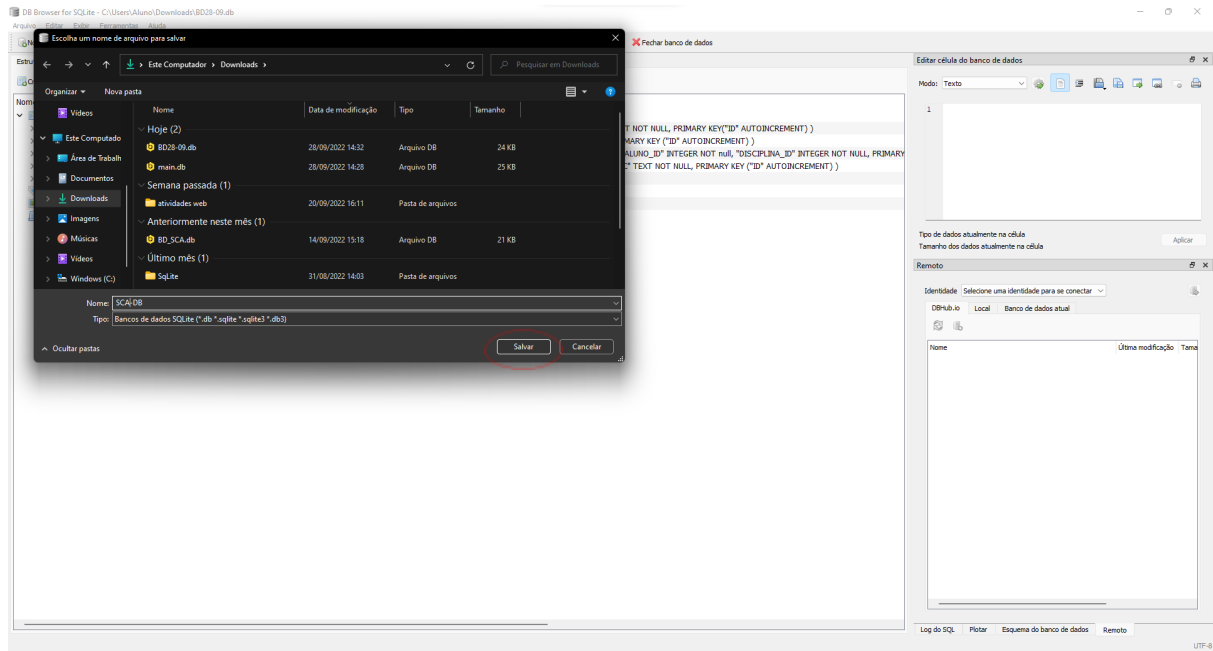
- Importar o arquivo dentro do programa DB-BROWSER:



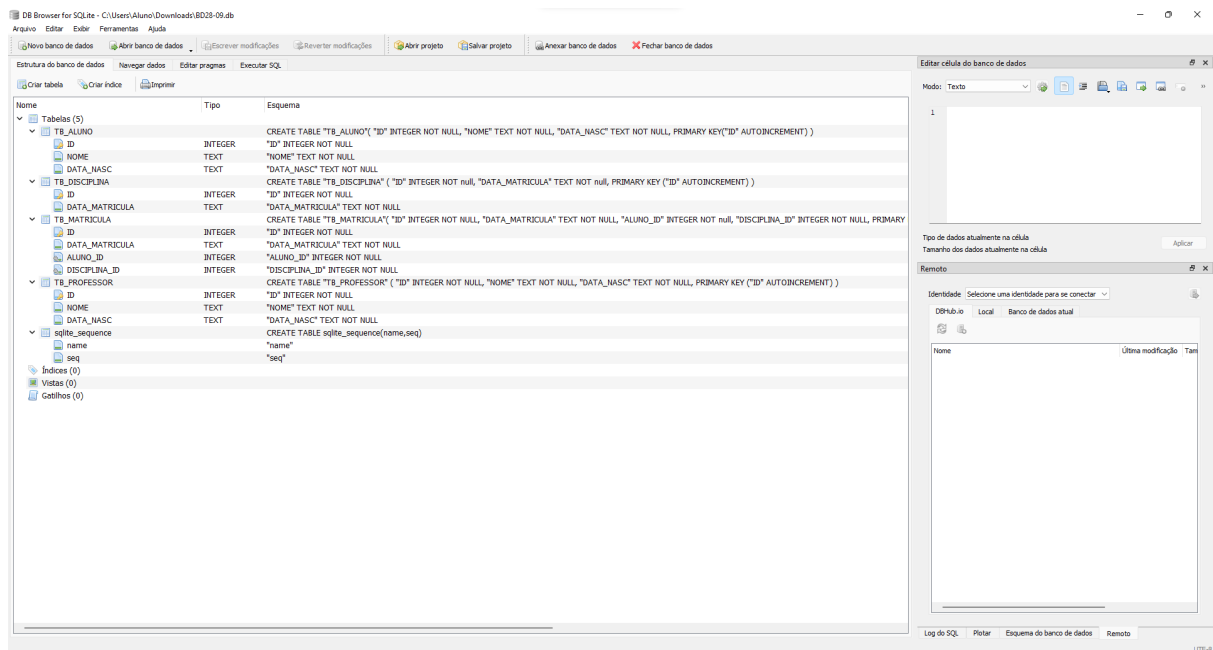
- Escolher o arquivo e abri-lo:



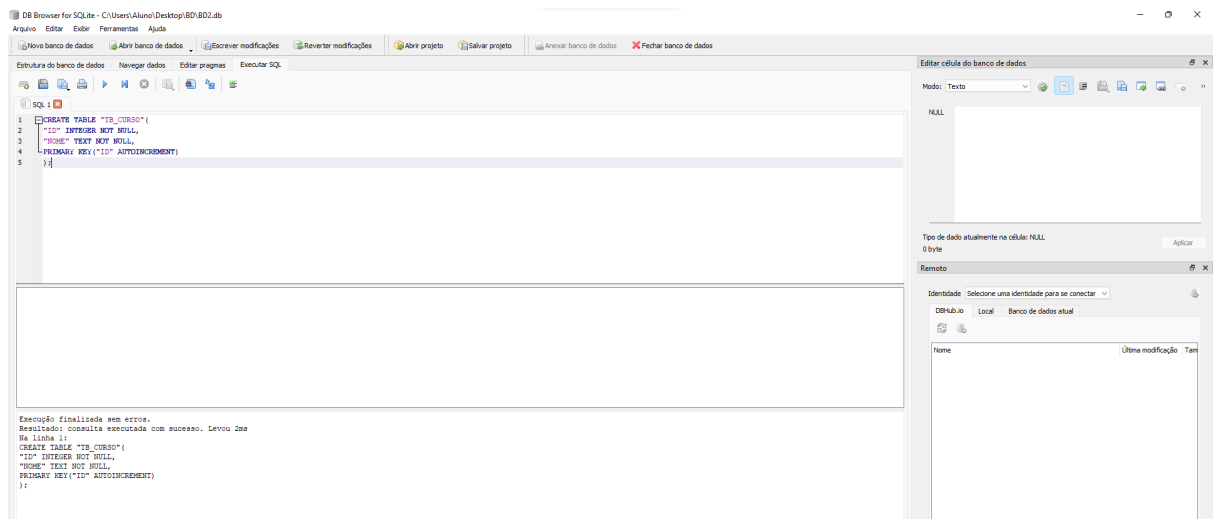
- Colocar um nome e salvá-lo no DB-BROWSER:



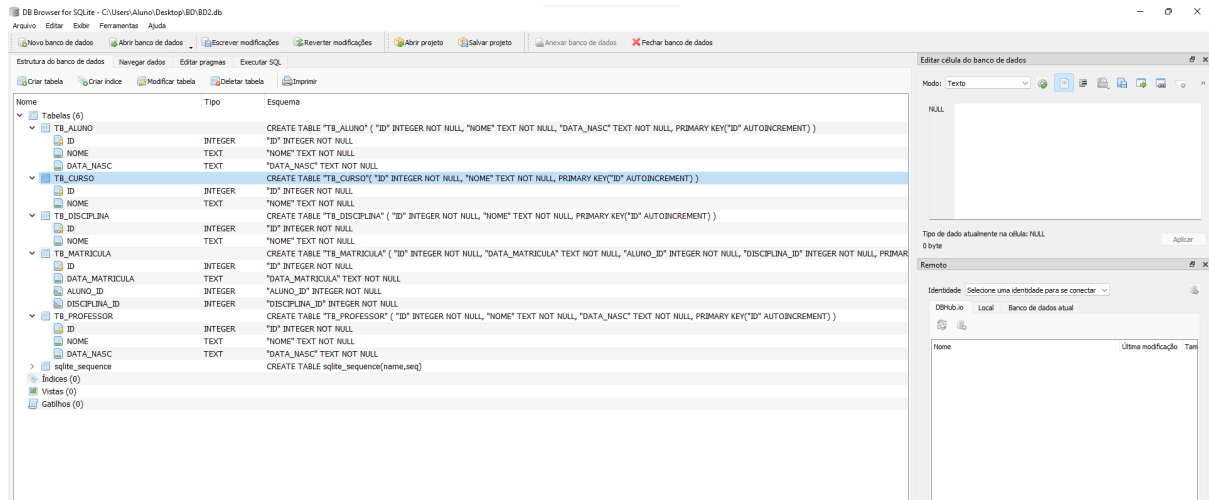
- banco de dados no DB-BROWSER feito no replit.



- Mudando com código o banco de dados.

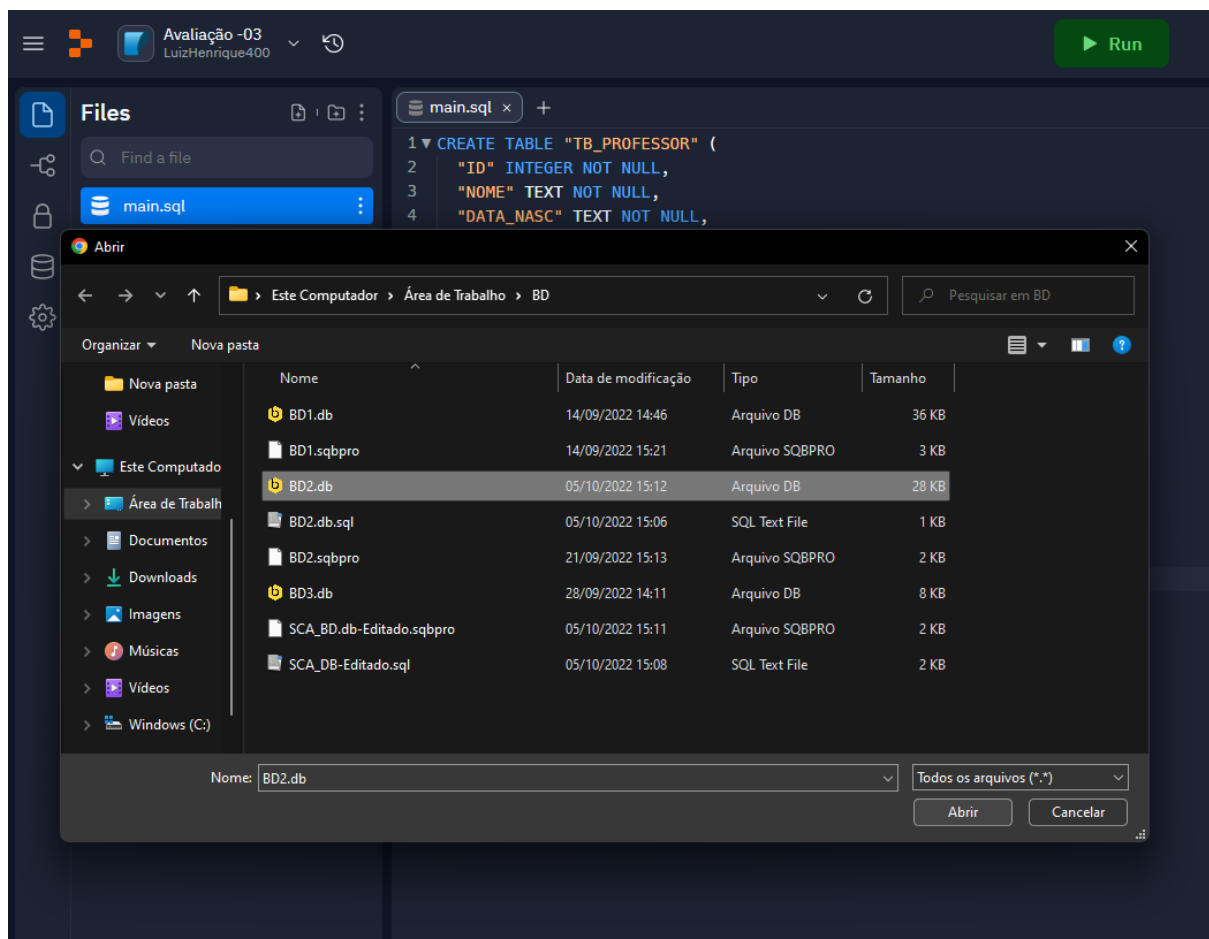


- Tabela curso adicionada a banco de dados.



6) Fazer o UPLOAD do arquivo SCA\_DB.bd para o seu Replit.

- Exportando no replit.



- Arquivo modificado com a nova tabela curso.

