

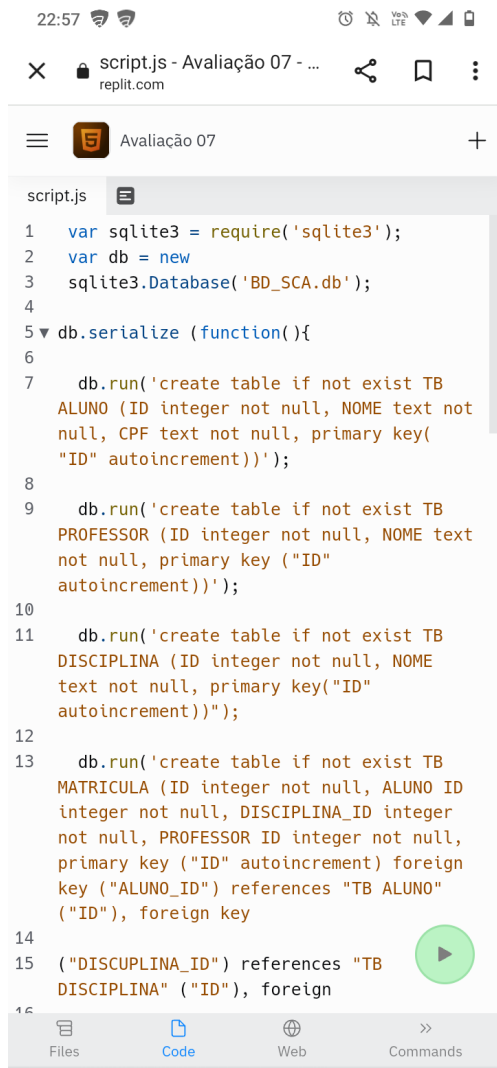
## Avaliação 07

**Nome :** Ana Carolina Clemente Cardoso da Silva

**Professor:** Taveira

**Curso/período:** P4 de informática

- **Criar um programa Node.js para inserir e consultar instruções SQL usando as tabelas definidas na atividade anterior.**



```
script.js
1  var sqlite3 = require('sqlite3');
2  var db = new
3  sqlite3.Database('BD_SCA.db');
4
5  db.serialize (function(){
6
7    db.run('create table if not exist TB
8    ALUNO (ID integer not null, NOME text not
9    null, CPF text not null, primary key(
10    "ID" autoincrement))');
11
12    db.run('create table if not exist TB
13    PROFESSOR (ID integer not null, NOME text
14    not null, primary key ("ID"
15    autoincrement))');
16
17    db.run('create table if not exist TB
18    DISCIPLINA (ID integer not null, NOME
19    text not null, primary key("ID"
20    autoincrement))');
21
22    db.run('create table if not exist TB
23    MATRICULA (ID integer not null, ALUNO ID
24    integer not null, DISCIPLINA_ID integer
25    not null, PROFESSOR ID integer not null,
26    primary key ("ID" autoincrement) foreign
27    key ("ALUNO_ID") references "TB ALUNO"
28    ("ID"), foreign key
29    ("DISCIPLINA_ID") references "TB
30    DISCIPLINA" ("ID"), foreign
```

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script.js



```
15  ("DISCIPLINA_ID") references "TB
    DISCIPLINA" ("ID"), foreign
16
17  key( "PROFESSOR ID") references "TB
    PROFESSOR" ("ID"))';
18
19  db.run('create table if not exists!
20
21  TB PROFESSOR DISCIPLINA(ID integer not
22  null, DISCIPLINA ID integer not null,
    PROFESSOR ID integer not null, primary key
    ("ID" autoincrement) foreign key,
    ("DISCIPLINA ID") references TB
    DISCIPLINATE ("ID"), foreign key
    ("PROFESSOR ID") references "TB
    PROFESSOR" ("ID"))');
23
24
25  db.run('insert into TB ALUNO(NOME, CPF)
    vaules ("Samyra Vitória"), "321.654.987-
    01", ("Pedro Lucas"), "@12.453.867-
26
27  db.run("insert into TB PROFESSOR(nome)
    vaules ("Túllto"), ("Túllto"));
28
29  db.run("insert into TB DISCIPLINA(nome)
30
31  vaules ("História"), ("História"));
    db.run('insert into to TB MATRICULA (ALUNO
    ID, DISCIPLINA ID, PROFESSOR_ID) vaules
    (1,1,1)');
```



Files



Code



Web



Commands

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```
script.js
49
50 db.each(select ID, ALUNO_ID,
    DISCIPLINA ID, PROFESSOR IF from TB
    MATRICULA', function(err, row){
    console.log(row.ID + ":" + row. ALUNO +
    ":"+row.DISCIPLINA + row.PROFESSOR);
51
52 db.each('select ID,
53
54 PROFESSOR ID, DISCIPLINA ID from TB
    PROFESSOR DISCIPLINA', function(err, row)
    {
55 console.log(row.ID + ":" +
    row.PROFESSOR + :+row.DISCIPLINA);
56
57 });
58
59 db.close();
60
```



Files

Code

Web

Commands