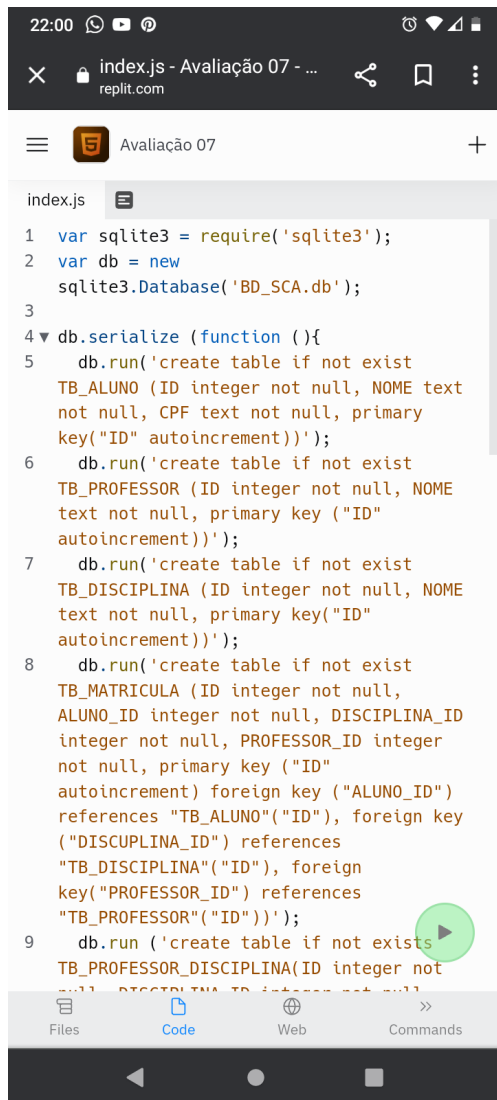


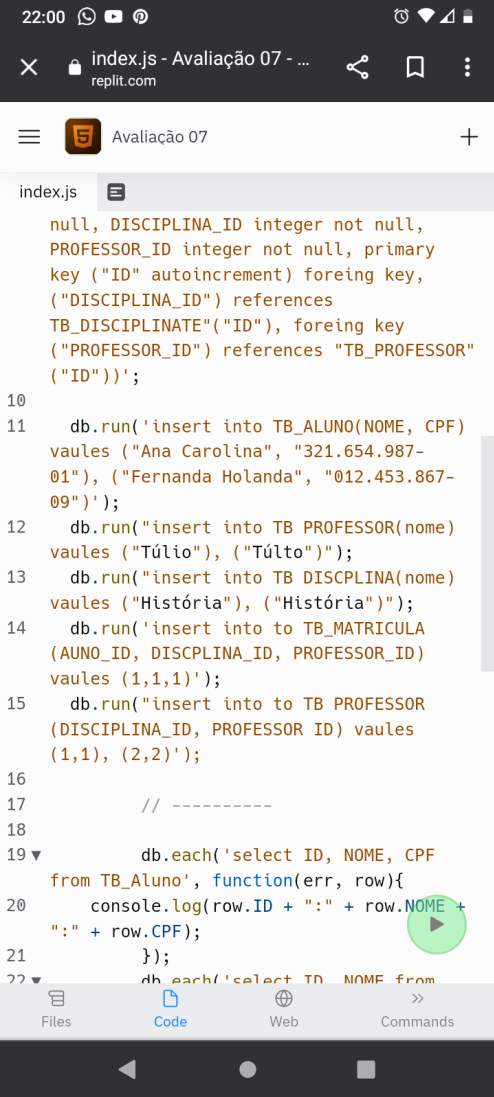
Criar um programa Node.js para inserir e consultar instruções SQL usando as tabelas definidas na atividade anterior.



The screenshot shows a web browser window with the address bar displaying 'index.js - Avaliação 07 - ...' and 'replit.com'. The main content area shows a code editor with a file named 'index.js'. The code is as follows:

```
1 var sqlite3 = require('sqlite3');
2 var db = new
  sqlite3.Database('BD_SCA.db');
3
4 db.serialize (function (){
5   db.run('create table if not exist
    TB_ALUNO (ID integer not null, NOME text
    not null, CPF text not null, primary
    key("ID" autoincrement))');
6   db.run('create table if not exist
    TB_PROFESSOR (ID integer not null, NOME
    text not null, primary key ("ID"
    autoincrement))');
7   db.run('create table if not exist
    TB_DISCIPLINA (ID integer not null, NOME
    text not null, primary key("ID"
    autoincrement))');
8   db.run('create table if not exist
    TB_MATRICULA (ID integer not null,
    ALUNO_ID integer not null, DISCIPLINA_ID
    integer not null, PROFESSOR_ID integer
    not null, primary key ("ID"
    autoincrement) foreign key ("ALUNO_ID")
    references "TB_ALUNO"("ID"), foreign key
    ("DISCIPLINA_ID") references
    "TB_DISCIPLINA"("ID"), foreign
    key("PROFESSOR_ID") references
    "TB_PROFESSOR"("ID"))');
9   db.run ('create table if not exists
    TB_PROFESSOR_DISCIPLINA (ID integer not
    null, PROFESSOR_ID integer not null,
    DISCIPLINA_ID integer not null,
    MATRICULA_ID integer not null, primary
    key ("ID" autoincrement) foreign key
    ("PROFESSOR_ID") references "TB_PROFESSOR"
    ("ID"), foreign key ("DISCIPLINA_ID")
    references "TB_DISCIPLINA" ("ID"),
    foreign key ("MATRICULA_ID") references
    "TB_MATRICULA" ("ID"))');
```

The code is written in a light-themed editor with line numbers on the left. A green play button icon is visible over the code at line 9. At the bottom of the editor, there is a navigation bar with icons for 'Files', 'Code', 'Web', and 'Commands'.



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index.js - Avaliação 07 - ...
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index.js

```
19  db.each('select ID, NOME, CPF
    from TB_Aluno', function(err, row){
20      console.log(row.ID + ":" + row.NOME +
        ":" + row.CPF);
21      });
22  db.each('select ID, NOME from
    TB_PROFESSOR', function(err, row){
23      console.log(row.ID + ":" + row.NOME);
24      });
25  db.each('select ID, NOME from
    TB_DISCIPLINA', function(err, row){
26      console.log(row.ID + ":" + row.NOME);
27      });
28  db.each('select ID, ALUNO_ID,
    DISCIPLINA_ID, PROFESSOR_ID from
    TB_MATRICULA', function(err, row){
29      console.log(row.ID + ":" + row.ALUNO +
        ":" + row.DISCIPLINA + ":" +
        row.PROFESSOR);
30      });
31  db.each('select ID,
    PROFESSOR_ID, DISCIPLINA_ID from
    TB_PROFESSOR_DISCIPLINA', function(err,
    row){
32      console.log(row.ID + ":" + row.PROFESSOR +
        ":" + row.DISCIPLINA);
33      });
34  });
35
36  db.close();
37
```

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