

pgsql

/project-root

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├─ row.js

├─ index.js

├─ table.js

├─ database.js

├─ demo.js

└─ server.js

database.js

js

```
const { Table } = require('./table');

class Database {
  constructor(name) {
    this.tables = {};
    this.name = name;
  }

  createTable(name, colNames) {
    if (this.tables.hasOwnProperty(name)) {
      console.log(`Table with name ${name} already exists`);
      return;
    }
    const table = new Table(name, colNames);
    this.tables[name] = table;
  }

  addData(tableName, data) {
    if (!this.tables.hasOwnProperty(tableName)) {
      console.log("Table not found");
      return;
    }
    const table = this.tables[tableName];
    table.addData(data);
  }
}
```

```
fetchData(tableName, filter = {}) {
  if (!this.tables.hasOwnProperty(tableName)) {
    console.log("Table not found");
    return;
  }
  const table = this.tables[tableName];
  return table.fetchData(filter);
}
```

```
addIndex(tableName, columnName) {
  if (!this.tables.hasOwnProperty(tableName)) {
    console.log("Table not found");
    return;
  }
  const table = this.tables[tableName];
  table.addIndex(columnName);
}
```

```
updateRows(tableName, data) {
  // To be implemented
}
```

```
printTable(tableName) {
  console.log(tableName);
  if (!this.tables.hasOwnProperty(tableName)) {
    console.log("Table not found");
    return;
  }
  const table = this.tables[tableName];
  table.print();
}
```

```
module.exports = { Database };
```

