



mkdir api-express-alumnos

cd api-express-alumnos

npm init -y

npm i express cors

The screenshot shows the Visual Studio Code editor interface. The Explorer panel on the left displays the project structure, including the 'src' directory and files like 'package.json'. The main editor area shows the 'package.json' file with the following content:

```
1 {
2   "name": "api-express-alumnos",
3   "version": "1.0.0",
4   "description": "",
5   "main": "index.js",
6   "scripts": {
7     "test": "echo \\\"Error: no test specified\\\" && exit 1",
8     "start": "node src/."
9   },
10  "keywords": [],
11  "author": "",
12  "license": "ISC",
13  "dependencies": {
14    "cors": "^2.8.5",
15    "express": "^4.17.1"
16  }
17 }
```

The status bar at the bottom indicates the current line and column (Ln 3, Col 22), the encoding (UTF-8), the line ending (LF), the file type (JSON), and the active extensions (Go Live, Prettier).

/src/index.js

```
const express = require("express");
const cors = require("cors");
const alumnos = require("../data/alumnos.json");
const app = express();

// middlewares
app.use(express.urlencoded({ extended: false }));
app.use(express.json());
app.use(cors());

// routing
app.get("/api-cognos/alumnos", (req, res) => {
  res.json(alumnos);
});

app.get("/api-cognos/alumnos/:id", (req, res) => {
  const id = req.params.id;
  const alumno = alumnos.find(itm => itm.id == id);
  res.json(alumno);
});

app.post("/api-cognos/alumnos/", (req, res) => {
  alumnos.push(req.body);
  res.json(req.body);
});

app.put("/api-cognos/alumnos/:id", (req, res) => {
  const id = req.params.id;
  const index = alumnos.findIndex(itm => itm.id == id);
  alumnos[index] = req.body;
  res.json(req.body);
});

app.delete("/api-cognos/alumnos/:id", (req, res) => {
  const id = req.params.id;
  const index = alumnos.findIndex(itm => itm.id == id);
  alumnos.splice(index, 1);
  res.json({id});
});
```

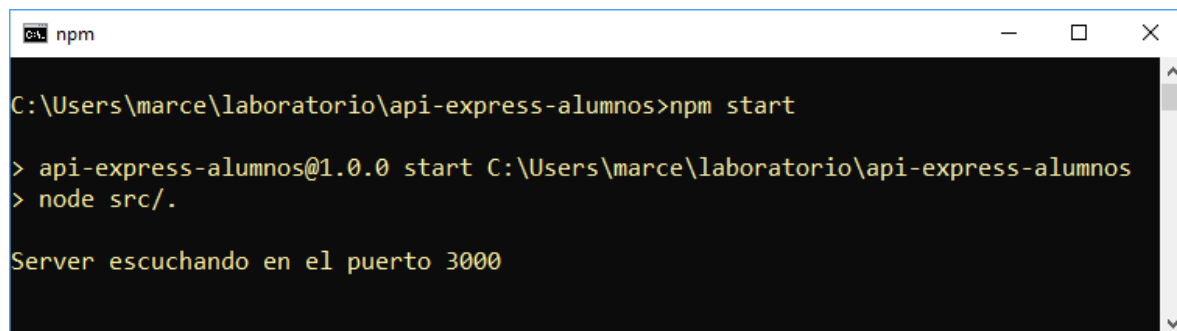


```
// server
app.listen(3000, () => {
  console.log("Server escuchando en el puerto 3000");
});
```

/src/data/alumnos.json

```
[
  {"id":1,"nombres":"Ana","apellidos":"Gomez","doc_identidad":123456},
  {"id":2,"nombres":"Jorge","apellidos":"Chavez","doc_identidad":223344},
  {"id":3,"nombres":"Marco","apellidos":"Vargas","doc_identidad":656565}
]
```

npm start



```
npm
C:\Users\marce\laboratorio\api-express-alumnos>npm start

> api-express-alumnos@1.0.0 start C:\Users\marce\laboratorio\api-express-alumnos
> node src/.

Server escuchando en el puerto 3000
```

