



mkdir api-express-alumnos

cd api-express-alumnos

npm init -y

npm i express cors

The screenshot shows the Visual Studio Code interface with the `package.json` file open. The file contains the following JSON structure:

```
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 Explorer sidebar on the left shows the project structure with files like `.history`, `node_modules`, `src`, `data`, `alumnos.json`, `index.js`, `package-lock.json`, and `package.json`.

/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});
});
```

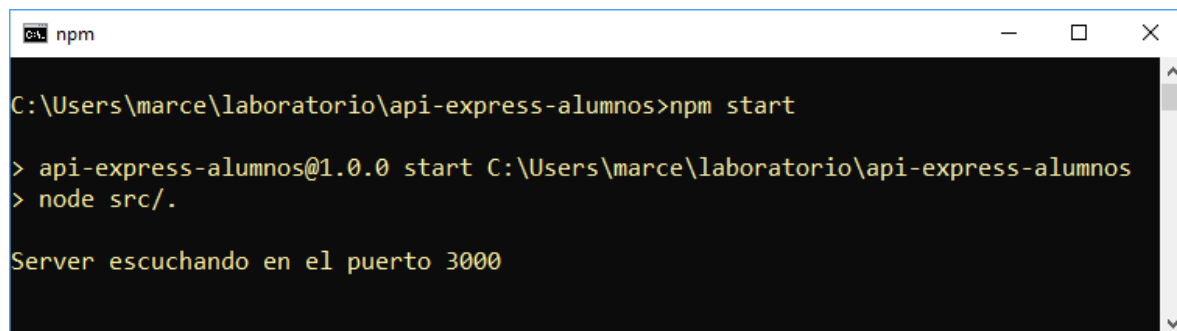


```
// server
app.listen(3000, () => {
  console.log("Server escuchando en el puerto 3000");
});
```

/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
```

