

```
C:\WINDOWS\system32\cmd.exe
Microsoft Windows [Versión 10.0.17134.885]
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C:\Users\marce>mkdir angular-nodejs-html-pdf

C:\Users\marce>cd angular-nodejs-html-pdf

C:\Users\marce\angular-nodejs-html-pdf>npm init --yes
Wrote to C:\Users\marce\angular-nodejs-html-pdf\package.json:

{
  "name": "angular-nodejs-html-pdf",
  "version": "1.0.0",
```

```
C:\WINDOWS\system32\cmd.exe

C:\Users\marce\angular-nodejs-html-pdf>npm i express cors html-pdf
npm WARN deprecated phantomjs-prebuilt@2.1.16: this package is now deprecated

> phantomjs-prebuilt@2.1.16 install C:\Users\marce\angular-nodejs-html-pdf\node_modules\phantomjs-prebuilt
> node install.js

PhantomJS not found on PATH
Download already available at C:\Users\marce\AppData\Local\Temp\phantomjs\phantomjs-2.1.1-windows.zip
Verified checksum of previously downloaded file
Extracting zip contents
Removing C:\Users\marce\angular-nodejs-html-pdf\node_modules\phantomjs-prebuilt\lib\phantom
```



The screenshot shows the Visual Studio Code interface with the Explorer sidebar on the left and the Editor pane on the right. The Explorer sidebar shows the project structure for 'ANGULAR-NODEJS-HTML-PDF', including files like .history, node_modules, src, data, alumnos.json, modulos, genera-pdf.js, plantilla, alumnos-rep.html, logocognos.png, public, pdfs, alumnos-rep.pdf, index.html, rutas, reporte-ruta.js, index.js, package-lock.json, and package.json. The Editor pane shows the content of package.json, which is a JSON object with the following properties: name, version, description, main, scripts, keywords, author, license, and dependencies. The dependencies are listed as cors, express, and html-pdf.

```
1 {
2   "name": "angular-nodejs-html-pdf",
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    "html-pdf": "^2.2.0"
17  }
18 }
19
```

/src/index.js

```
const express = require('express');
const path = require('path');
const cors = require('cors');

// initializations
const app = express();

// settings
app.set('port', process.env.PORT || 3000);

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

// rutas
app.use('/api-cognos/reportes', require('./rutas/reporte-ruta'));

// static files
app.use(express.static(path.join(__dirname, 'public')));

// starting server http
app.listen(app.get('port'), () => {
  console.log(` Servidor escuchando en el puerto ${app.get('port')} `);
});
```



/src/rutas/reporte-ruta.js

```
const { Router } = require('express');
const router = new Router();
const generaPdf = require('../modulos/genera-pdf');

router.get('/', async (req, res) => {
  let response = { status: 'OK', message: 'reportes', data: '' };
  response = await generaPdf.generar();
  res.json(response);
});

module.exports = router;
```

/src/datos/alumnos.json

```
[
  {"nombres": "Ana Gomez", "identidad": "1234560", "curso": "Angular 8"},
  {"nombres": "Luis Gomez", "identidad": "223344", "curso": "Angular 8"},
  {"nombres": "Jose Vera", "identidad": "335566", "curso": "Angular 8"},
  {"nombres": "Carlos Lopez", "identidad": "558855", "curso": "Angular 8"},
  {"nombres": "Maria Flores", "identidad": "889988", "curso": "Angular 8"}
]
```

/modulos/genera-pdf.js

```
const pdf = require("html-pdf");
const path = require("path");
const fs = require("fs");

const alumnos = require('../data/alumnos.json');

generar = () => {

  const options = {
    height: "279.4mm",
    width: "215.9mm"
  };

  let response = { status: "OK", message: "genera-pdf", data: {} };

  return new Promise((resolve, reject) => {

    const template = path.join(__dirname, `../plantilla/alumnos-rep.html`);
    const filename = path.join(__dirname, `../public/pdfs/alumnos-rep.pdf`);

    let templateHtml = fs.readFileSync(template, "utf8");

    const logo = path.join("file://", __dirname, "../plantilla/logocognos.png");
    let datosHtml = "";

    alumnos.forEach(alumno => {
      datosHtml += `<tr>
        <td>${alumno.nombres}</td>
        <td>${alumno.identidad}</td>
        <td>${alumno.curso}</td></tr>`;
    });

    templateHtml = templateHtml.replace("{{logo}}", logo);
    templateHtml = templateHtml.replace("{{datos}}", datosHtml);

    pdf.create(templateHtml, options).toFile(filename, (err, res) => {
      if (err) {
        console.log(`ERROR, generando pdf : ${err}`);
        response.status = "ERROR";
      }
    });
  });
}
```



/src/planilla/alumnos-rep.html

```
<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Document</title>
  <style>
    .page {
      position: relative;
      height: 279.4mm;
      width: 215.9mm;
      display: block;
      background: white;
      page-break-after: auto;
      margin: 10mm;
      overflow: hidden;
    }
    .row {
      margin-left: 10mm;
      margin-right: 10mm;
      margin-top: 3mm;
    }
  </style>

```

```
table {
  border-collapse: collapse;
  font-family: 'Times New Roman', Times, serif;
  font-size: 12px;
  width: 150.0mm;
}

table,
td,
th {
  border: 1px solid black;
}

.center {
  text-align: center;
}

</style>
</head>

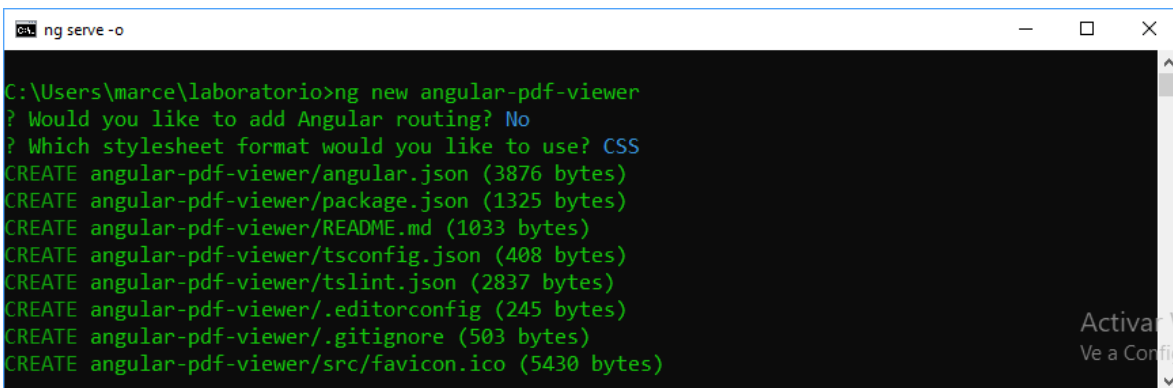
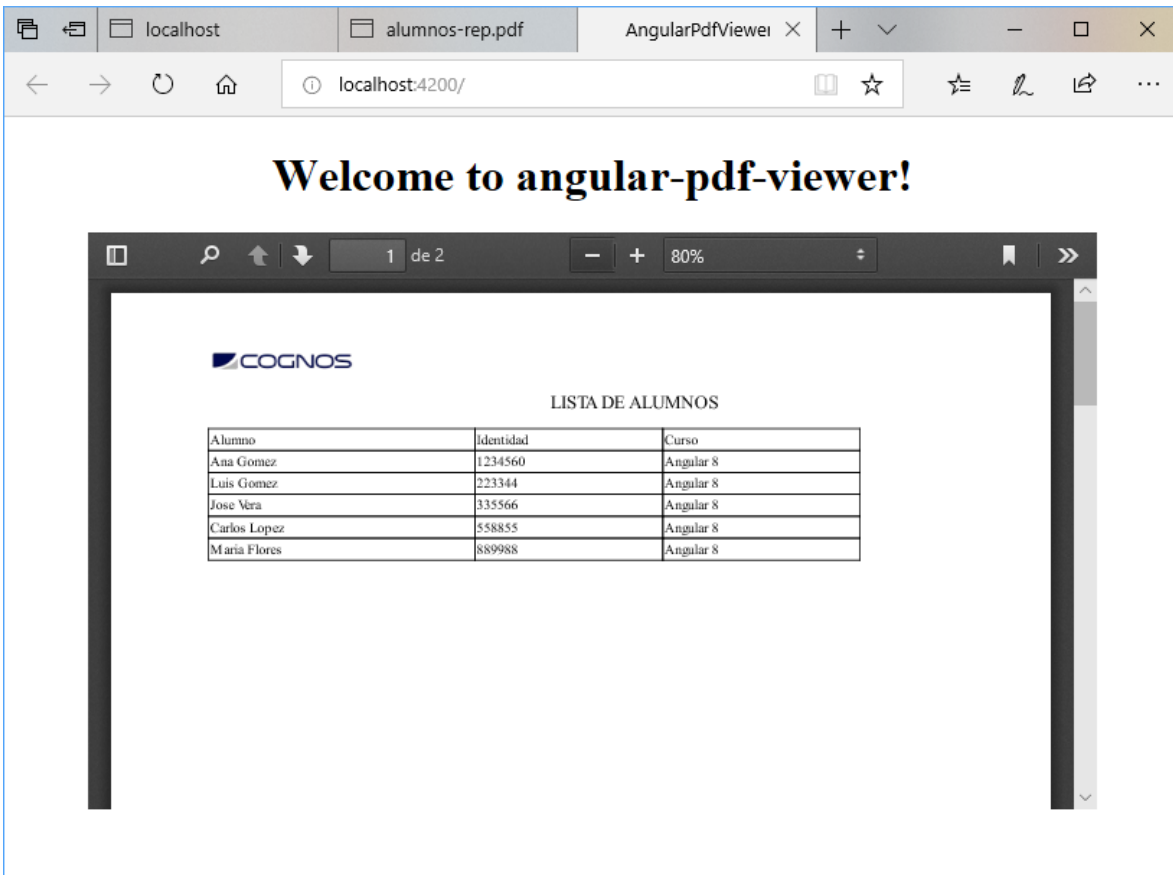
<body>

  <div class="page">
    <div class="row">
      
    </div>
    <div class="row">
      <div class="center">LISTA DE ALUMNOS</div>
    </div>
    <div class="row">
      <table>
        <tr>
          <td>Alumno</td>
          <td>Identidad</td>
          <td>Curso</td>
        </tr>
        {{datos}}
      </table>
    </div>
  </div>
```




```
</body>

</html>
```



/src/app/app.module.ts

```
import { BrowserModule } from '@angular/platform-browser';
import { NgModule } from '@angular/core';

import { AppComponent } from './app.component';

import { HttpClientModule } from '@angular/common/http';

@NgModule({
  declarations: [
    AppComponent
  ],
  imports: [
    BrowserModule,
    HttpClientModule,
  ],
  providers: [],
  bootstrap: [AppComponent]
})
export class AppModule { }
```



/src/app/alumnos.service.ts

```
import { Injectable } from '@angular/core';
import { HttpClient } from '@angular/common/http';

@Injectable({
  providedIn: 'root'
})
export class AlumnosService {

  URL_API: string = `http://localhost:3000/api-cognos/reportes`;

  constructor(private http: HttpClient) { }

  generarReporte() {
    return this.http.get(this.URL_API);
  }
}
```

/src/app/app.component.ts

```
import { Component } from '@angular/core';

import { SafeHtml, DomSanitizer } from '@angular/platform-browser';
import { AlumnosService } from '../alumnos.service';

@Component({
  selector: 'app-root',
  templateUrl: './app.component.html',
  styleUrls: ['./app.component.css']
})
export class AppComponent {

  title = 'angular-pdf-viewer';
  innerHtml: SafeHtml;

  constructor(
    private alumnosService: AlumnosService,
    private sanitizer: DomSanitizer
  ) { }

  ngOnInit() {
    this.cargarPdf();
  }

  cargarPdf() {

    let rutaPdf = 'http://localhost:3000/pdfs/';
    let response: { status: string, message: string, data: any };
    this.innerHtml = '';

    this.alumnosService.generarReporte().subscribe(resp =>{
      response = resp as any;

      rutaPdf = `${rutaPdf}/${response.data}`;

      this.innerHtml = this.sanitizer.bypassSecurityTrustHtml(`
        <iframe
src="https://mozilla.github.io/pdf.js/web/viewer.html?file=${rutaPdf}" width="700"
```



```
height="400px" frameborder="0"></iframe>
    `);

    });

}

}
```

/src/app/app.component.html

```
<div style="text-align:center">
  <h1>
    Welcome to {{ title }}!
  </h1>

  <div>
    <div *ngIf="innerHtml" [innerHTML]="innerHtml"></div>
  </div>
```