

1)

The image shows a terminal window and a web browser. The terminal window displays the command `dotnet run` and the output of a .NET application. The application is listening on `http://localhost:5093` and has started. The web browser shows the URL `localhost:5093/weatherforecast` and displays a JSON response with five weather forecast entries.

```
lautaro@lautaro-laptop: ~/Documents/Facultad/Ingenieria d...
lautaro@lautaro-laptop:~/Documents/Facultad/Ingenieria de Software III/TP5/1/MiP
royectoWebAPI$ dotnet run
Building...
info: Microsoft.Hosting.Lifetime[14]
      Now listening on: http://localhost:5093
info: Microsoft.Hosting.Lifetime[0]
      Application started. Press Ctrl+C to shut down.
info: Microsoft.Hosting.Lifetime[0]
      Hosting environment: Development
info: Microsoft.Hosting.Lifetime[0]
      Content root path: /home/lautaro/Documents/Facultad/Ingenieria de Software
      III/TP5/1/MiProyectoWebAPI
```

localhost:5093/weatherforecast

JSON Raw Data Headers

Save Copy Collapse All Expand All Filter JSON

```
▼ 0:
  date: "2023-10-13"
  temperatureC: 38
  temperatureF: 100
  summary: "Hot"
▼ 1:
  date: "2023-10-14"
  temperatureC: 54
  temperatureF: 129
  summary: "Balmy"
▼ 2:
  date: "2023-10-15"
  temperatureC: 1
  temperatureF: 33
  summary: "Sweltering"
▼ 3:
  date: "2023-10-16"
  temperatureC: 39
  temperatureF: 102
  summary: "Chilly"
▼ 4:
  date: "2023-10-17"
  temperatureC: 35
  temperatureF: 94
  summary: "Scorching"
```

```
MiProyectoWebAPI.csproj
1 <Project Sdk="Microsoft.NET.Sdk.Web">
2
3   <PropertyGroup>
4     <TargetFramework>net7.0</TargetFramework>
5     <Nullable>enable</Nullable>
6     <ImplicitUsings>enable</ImplicitUsings>
7   </PropertyGroup>
8
9   <ItemGroup>
10    <PackageReference Include="Microsoft.AspNetCore.OpenApi" Version="7.0.12" />
11    <PackageReference Include="Swashbuckle.AspNetCore" Version="6.5.0" />
12  </ItemGroup>
13
14 </Project>
15
```

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dotnet add package Newtonsoft.Json

```
MiProyectoWebAPI.csproj x
MiProyectoWebAPI.csproj
1 <Project Sdk="Microsoft.NET.Sdk.Web">
2
3   <PropertyGroup>
4     <TargetFramework>net7.0</TargetFramework>
5     <Nullable>enable</Nullable>
6     <ImplicitUsings>enable</ImplicitUsings>
7   </PropertyGroup>
8
9   <ItemGroup>
10    <PackageReference Include="Microsoft.AspNetCore.OpenApi" Version="7.0.12" />
11    <PackageReference Include="Newtonsoft.Json" Version="13.0.3" />
12    <PackageReference Include="Swashbuckle.AspNetCore" Version="6.5.0" />
13  </ItemGroup>
14
15 </Project>
16
```

2)

```
"name": "mi-app",
"version": "0.1.0",
"private": true,
"dependencies": {
  "@testing-library/jest-dom": "^5.17.0",
  "@testing-library/react": "^13.4.0",
  "@testing-library/user-event": "^13.5.0",
  "react": "^18.2.0",
  "react-dom": "^18.2.0",
  "react-scripts": "5.0.1",
  "web-vitals": "^2.1.4"
},
```

Cuando se instala un paquete, npm guarda la información sobre la versión instalada en el archivo package.json.

Lenguaje	Herramientas
Javascript	NPM y Yarn
C++	GCC, CLANG
C#	Microsoft Visual Studio, MSBuild
Python	Setuptools
Java	Apache, Maven y Gradle
Visual Basic .NET	MSBuild
PHP	Composer
Go	Go Build
Ruby	RubyGems
Rust	Cargo