

Juan Camilo Parra Sanchez - 917079

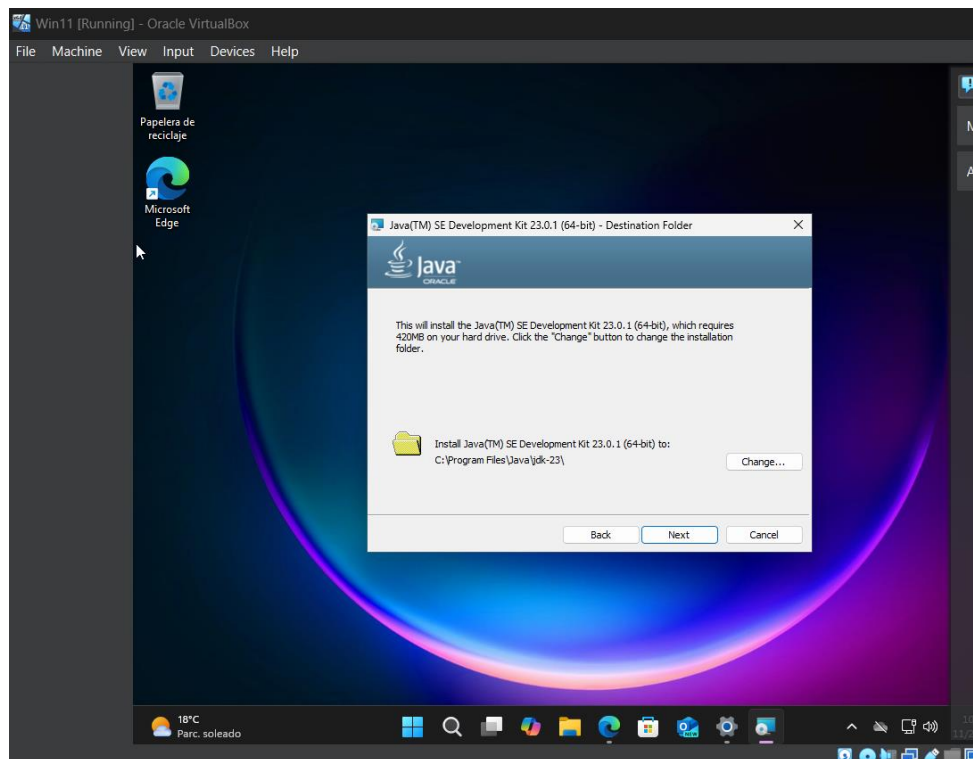
Contexto de la ingeniería de software

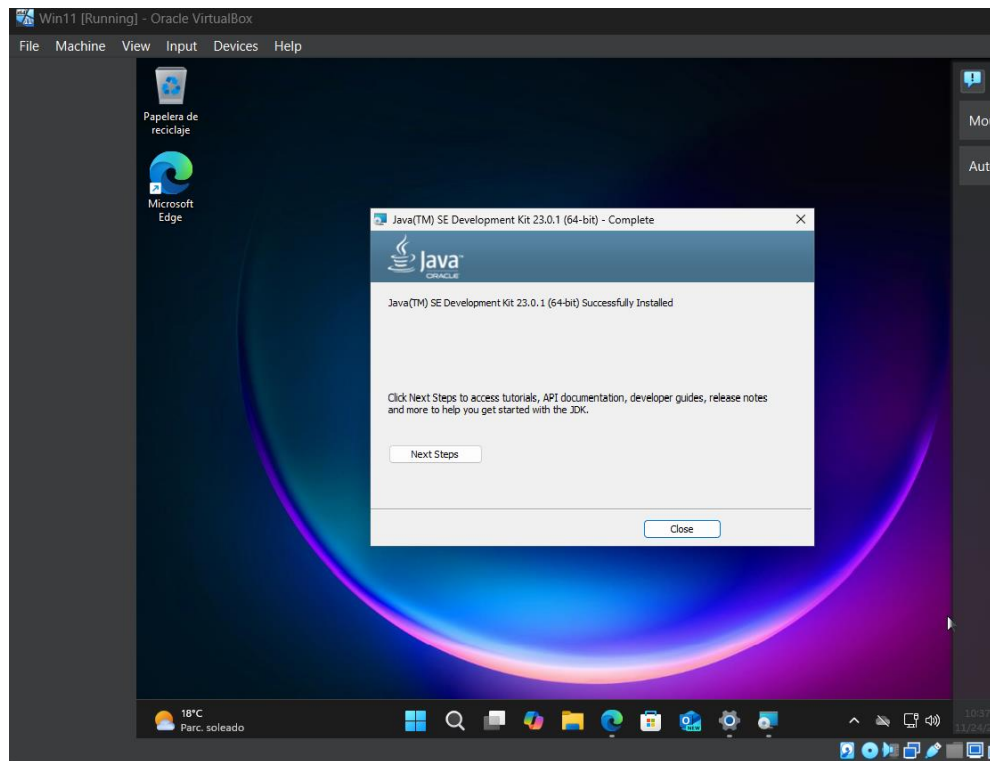
Instalaciones finales

## Windows

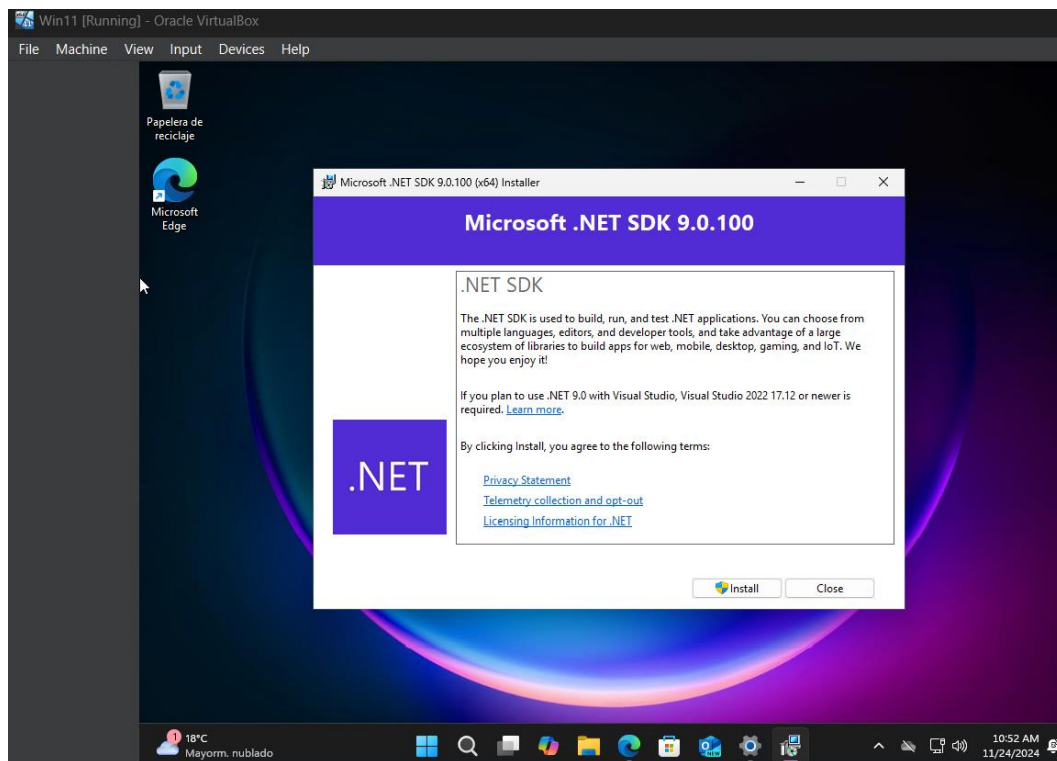
Instalación Lenguajes de programación

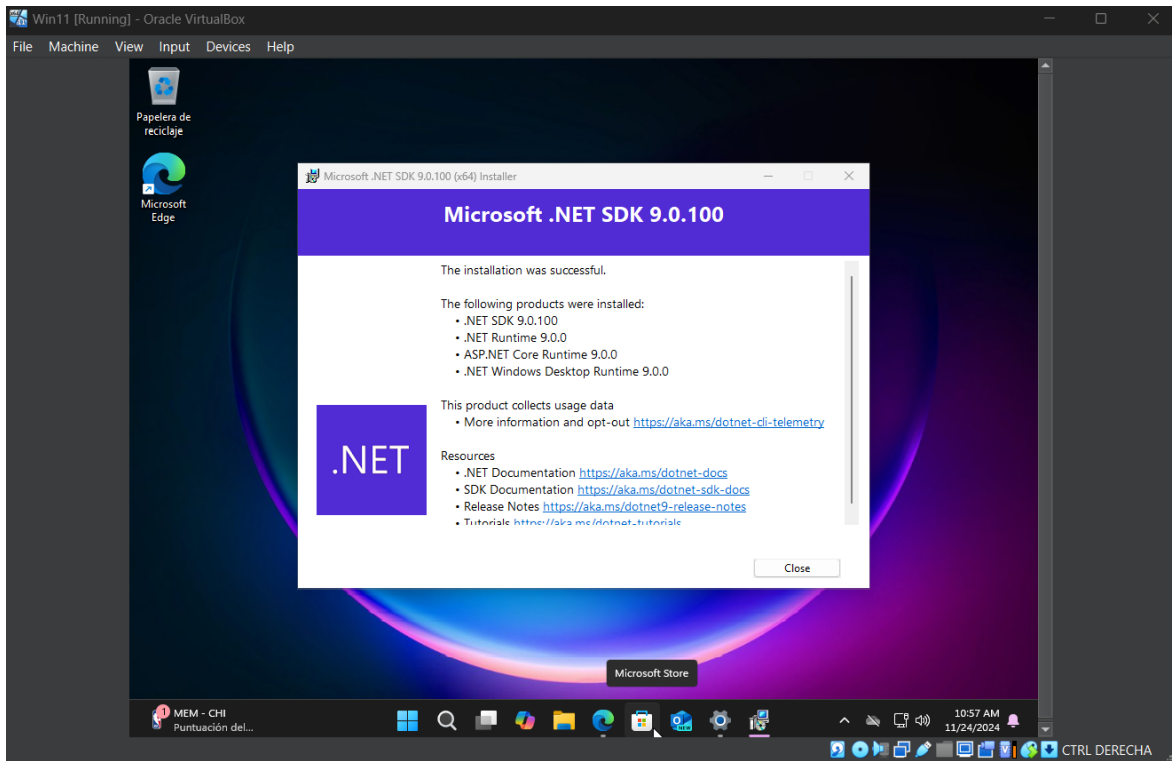
### 1. Java



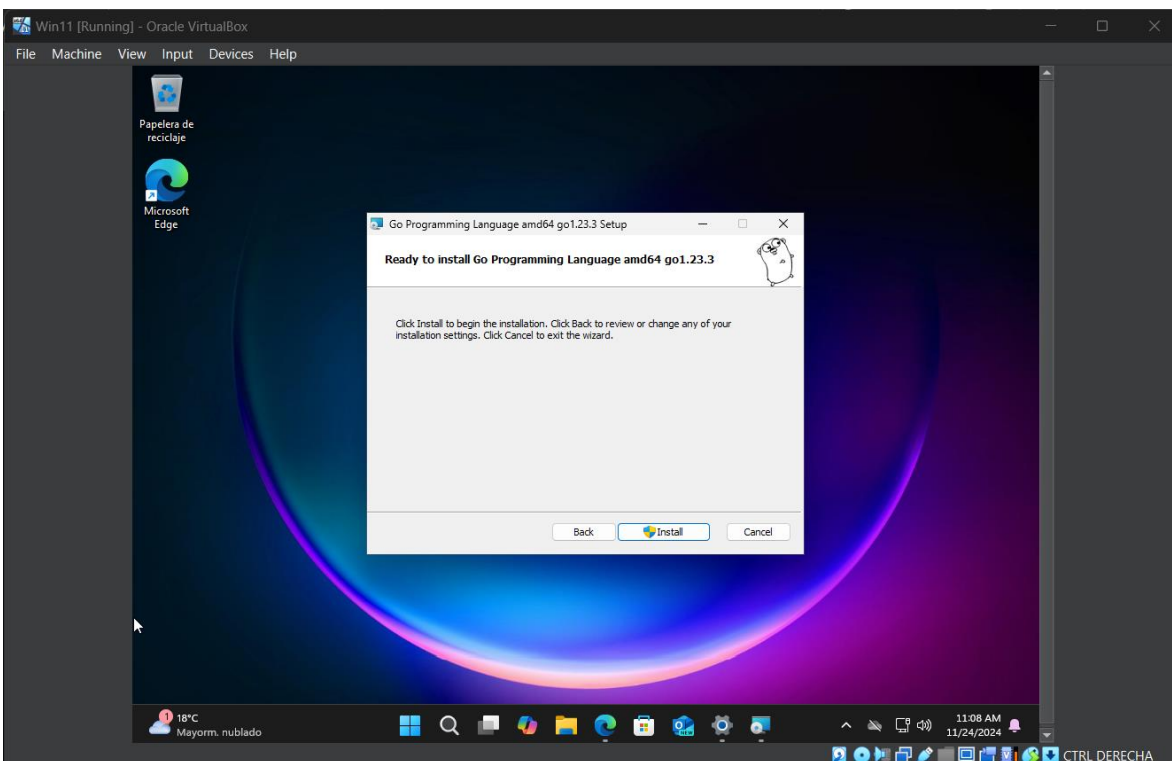


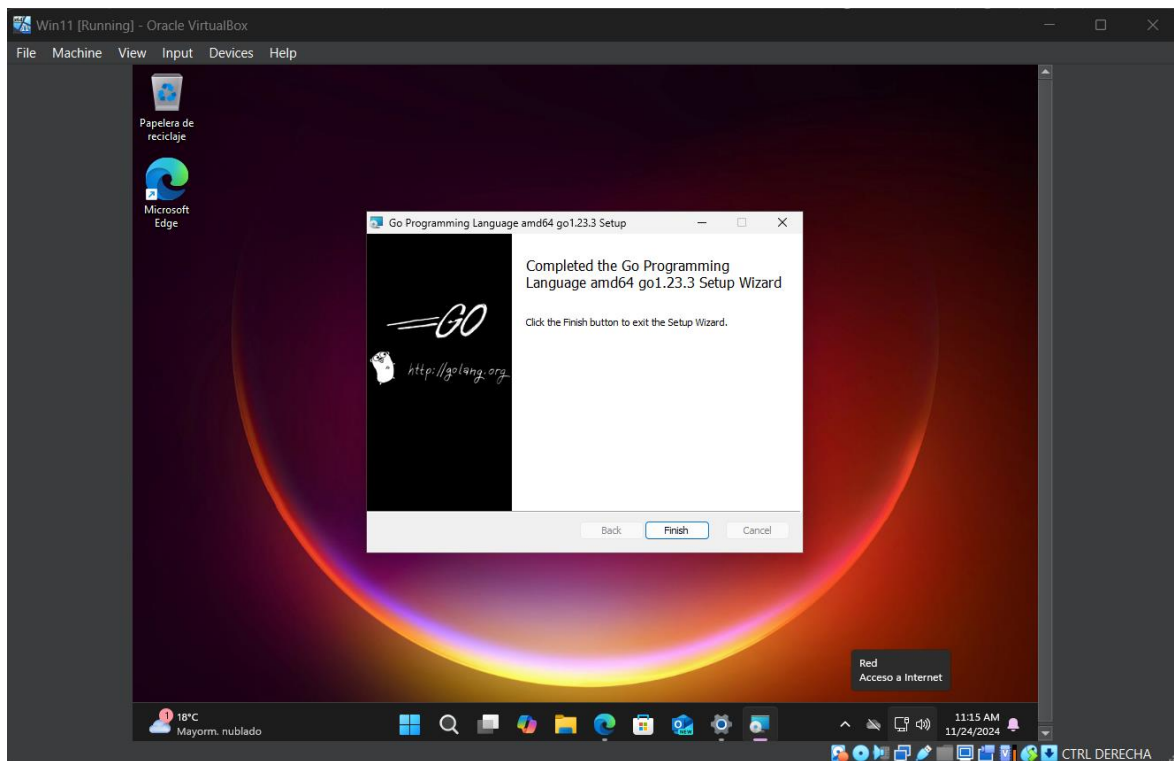
## 2. C#





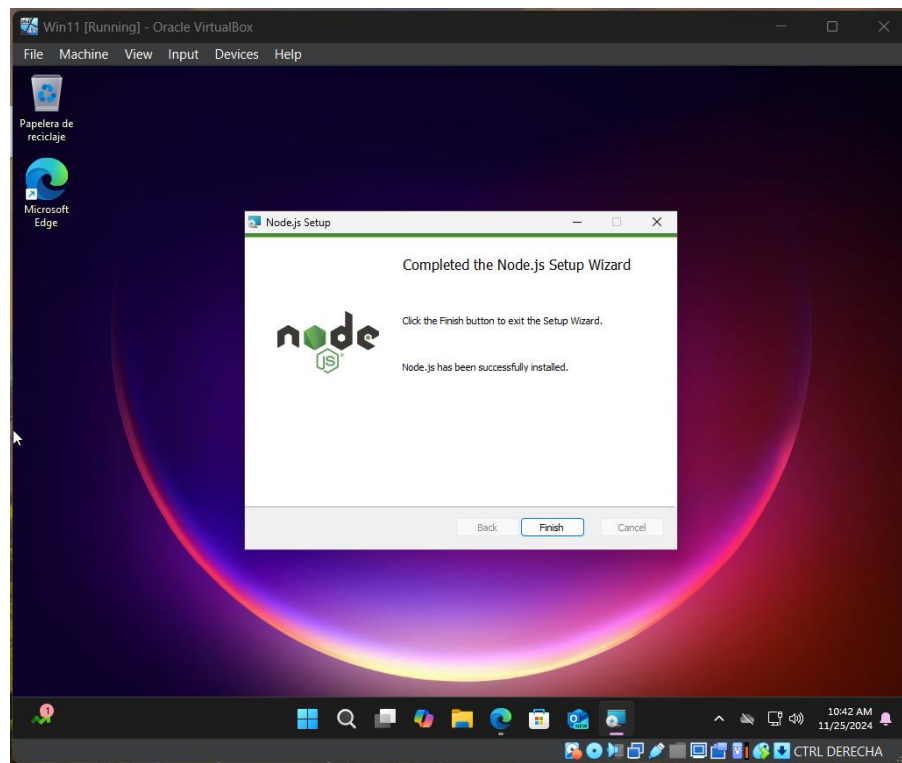
### 3. Go





## Instalación de Frameworks

### 1. React



```
PS C:\Users\vboxuser\parra> npm install react react-dom
added 5 packages in 2s
```

```

Win11 [Running] - Oracle VirtualBox
File Machine View Input Devices Help
npm : No se puede cargar el archi... X @ npm : No se puede cargar el archi... X powershell change directo...
Administrador: Windows PowerShell
PS C:\Users\vboxuser\parra> npx create-react-app parra

Creating a new React app in C:\Users\vboxuser\parra\parra.

Installing packages. This might take a couple of minutes.
Installing react, react-dom, and react-scripts with cra-template...

added 1314 packages in 2m

259 packages are looking for funding
  run `npm fund` for details
Git repo not initialized Error: Command failed: git --version
    at genericNodeError (node:internal/errors:983:15)
    at wrappedFn (node:internal/errors:537:14)
    at checkExecSyncError (node:child_process:888:11)
    at execSync (node:child_process:960:15)
    at tryGitInit (C:\Users\vboxuser\parra\parra\node_modules\react-scripts\scripts\init.js:10:14)
    at module.exports (C:\Users\vboxuser\parra\parra\node_modules\react-scripts\scripts\init.js:14:14)
    at [eval]:3:14
    at runScriptInThisContext (node:internal/vm:209:10)
    at node:internal/process/execution:118:14
    at [eval]-wrapper:6:24 {
  status: 1,
  signal: null,
  output: [ null, null, null ],
  pid: 2444,
  stdout: null,
  stderr: null
}
PS C:\Windows\sv

```

```

Win11 [Running] - Oracle VirtualBox
File Machine View Input Devices Help
npm : No se puede cargar el archi... X @ npm : No se puede cargar el archi... X powershell ch...
Administrador: Windows PowerShell
npm audit fix --force

Run `npm audit` for details.

Success! Created parra at C:\Users\vboxuser\parra\parra
Inside that directory, you can run several commands:

  npm start
    Starts the development server.

  npm run build
    Bundles the app into static files for production.

  npm test
    Starts the test runner.

  npm run eject
    Removes this tool and copies build dependencies, configuration files
    and scripts into the app directory. If you do this, you can't go back!

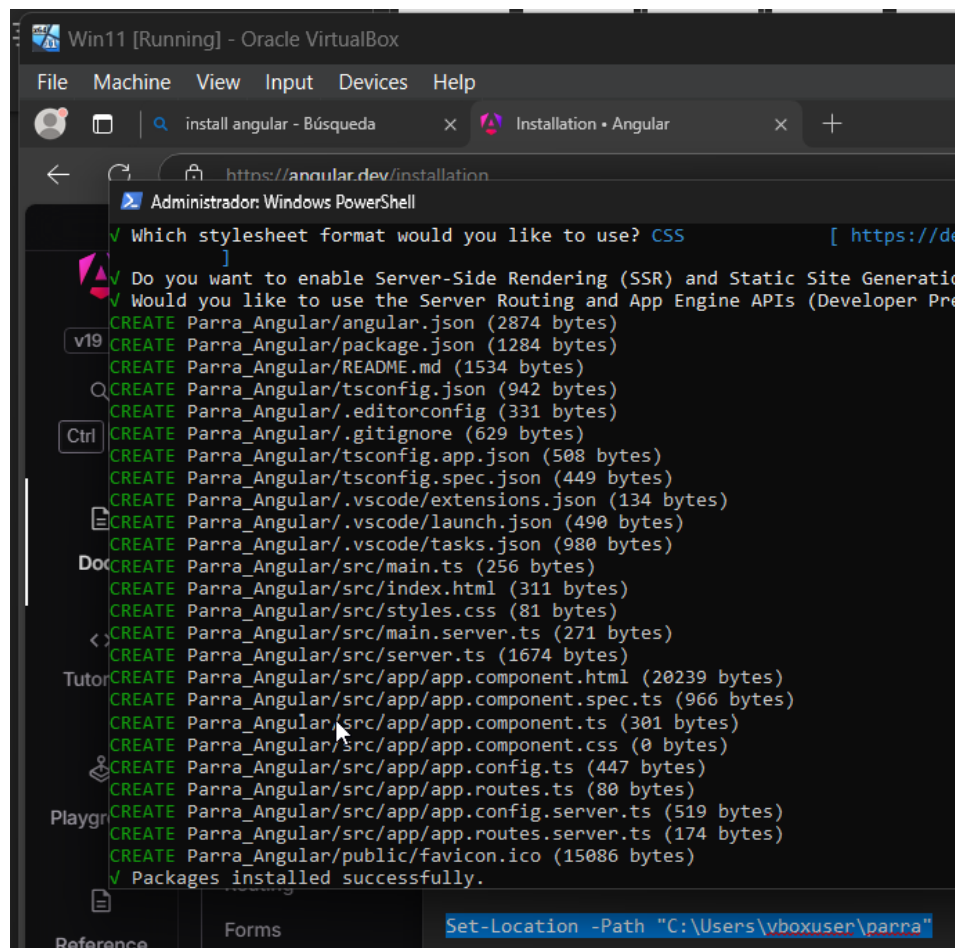
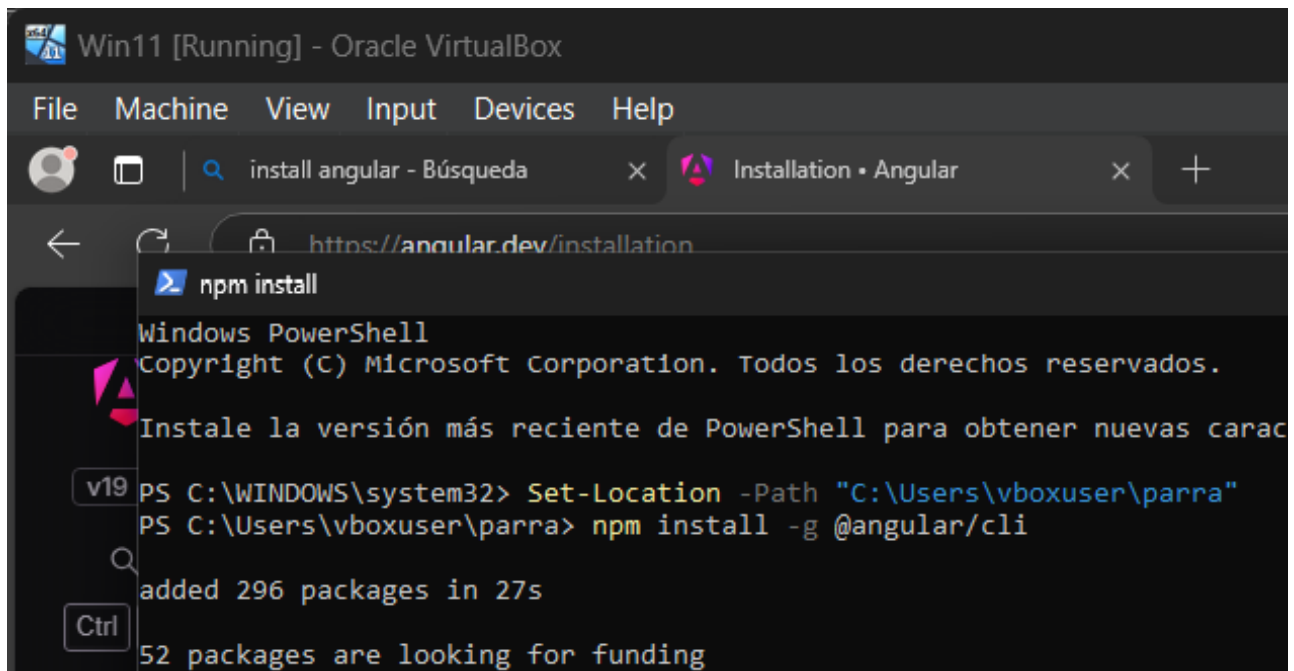
We suggest that you begin by typing:

  cd parra
  npm start

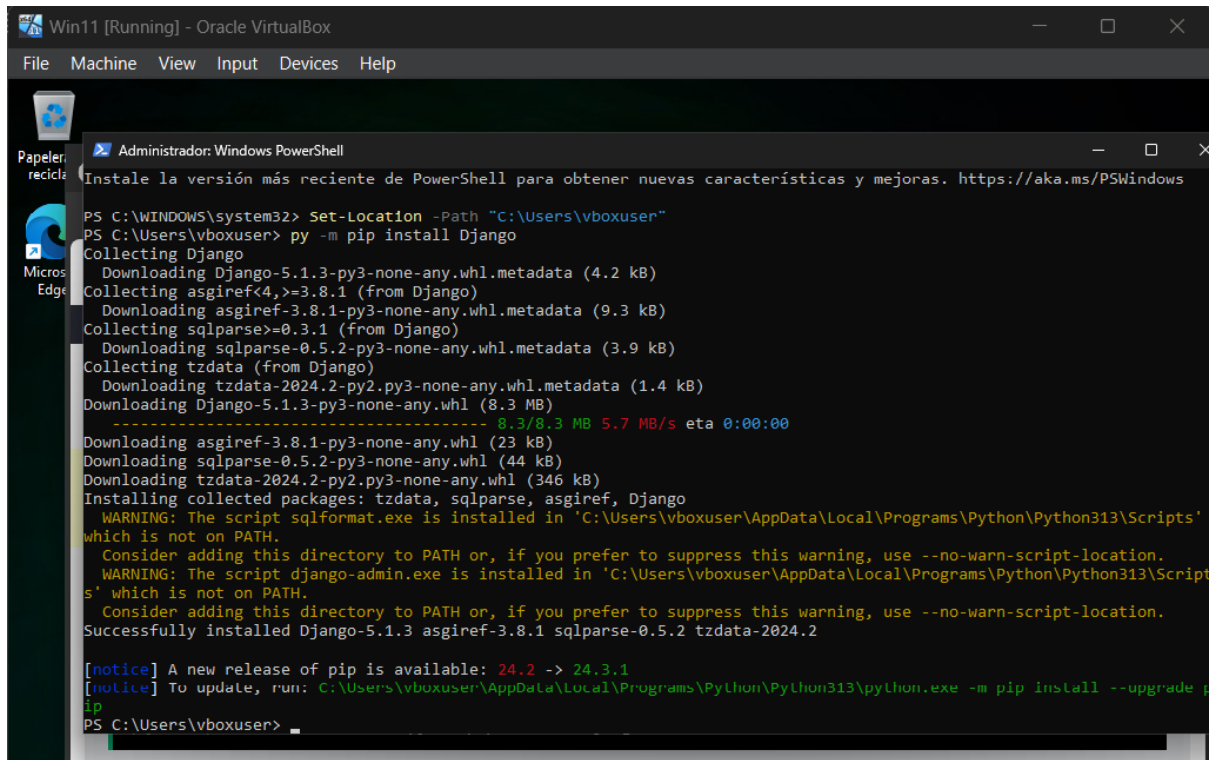
Happy hacking!
PS C:\Users\vboxuser\parra>

```

## 2. Angular



### 3. Django



The screenshot shows a Windows PowerShell window titled "Administrador: Windows PowerShell" running inside an Oracle VM VirtualBox. The terminal output shows the command `Set-Location -Path "C:\Users\vboxuser"` followed by `py -m pip install Django`. The installation process for Django 5.1.3 is shown, including the collection of metadata for Django, asgiref, sqlparse, and tzdata, followed by the download of the wheel files. The installation is successful, and a notice about a new release of pip is shown.

```
Win11 [Running] - Oracle VirtualBox
File Machine View Input Devices Help

Administrador: Windows PowerShell
Instale la versión más reciente de PowerShell para obtener nuevas características y mejoras. https://aka.ms/PSWindows

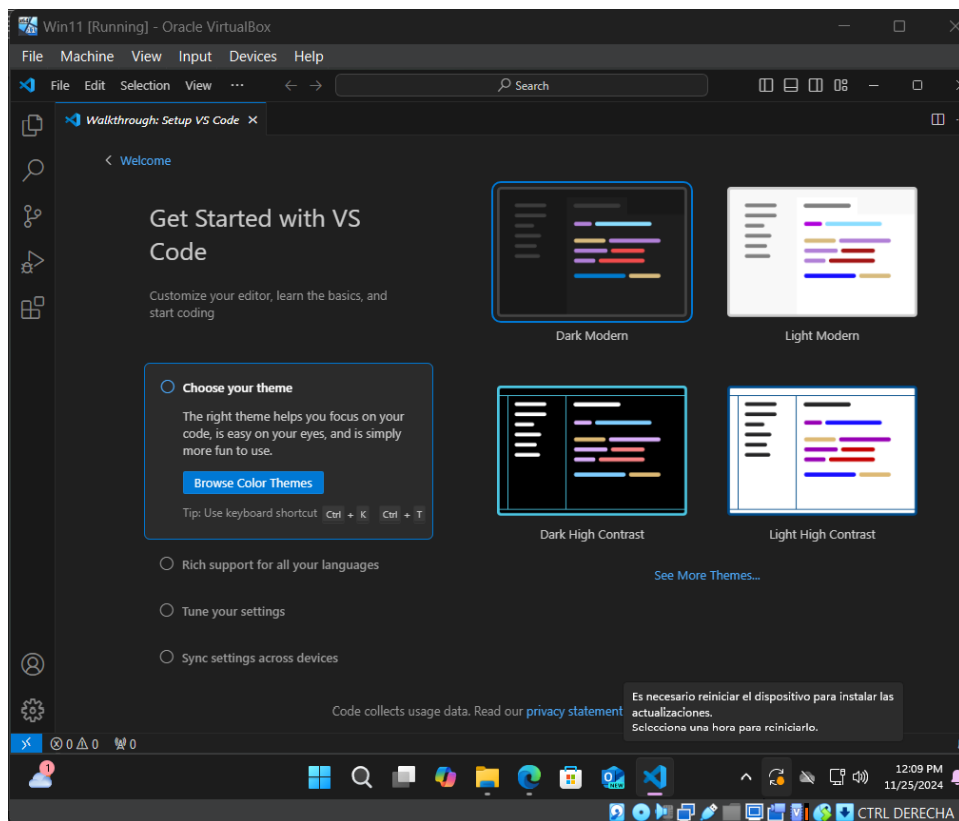
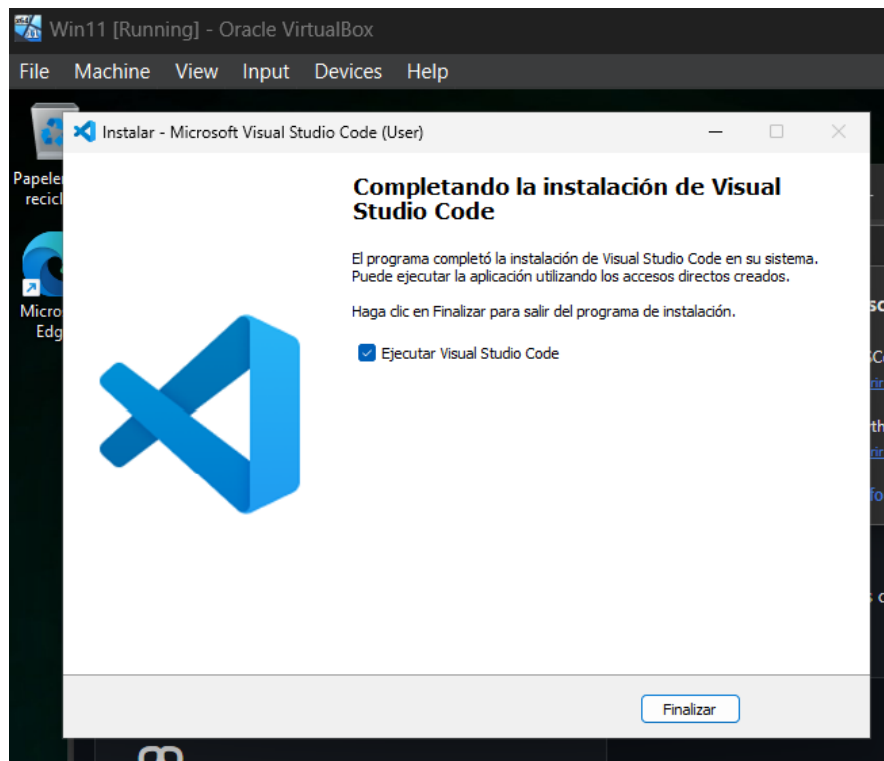
PS C:\WINDOWS\system32> Set-Location -Path "C:\Users\vboxuser"
PS C:\Users\vboxuser> py -m pip install Django
Collecting Django
  Downloading Django-5.1.3-py3-none-any.whl.metadata (4.2 kB)
Collecting asgiref<4,>=3.8.1 (from Django)
  Downloading asgiref-3.8.1-py3-none-any.whl.metadata (9.3 kB)
Collecting sqlparse>=0.3.1 (from Django)
  Downloading sqlparse-0.5.2-py3-none-any.whl.metadata (3.9 kB)
Collecting tzdata (from Django)
  Downloading tzdata-2024.2-py2.py3-none-any.whl.metadata (1.4 kB)
  Downloading Django-5.1.3-py3-none-any.whl (8.3 MB)
----- 8.3/8.3 MB 5.7 MB/s eta 0:00:00
  Downloading asgiref-3.8.1-py3-none-any.whl (23 kB)
  Downloading sqlparse-0.5.2-py3-none-any.whl (44 kB)
  Downloading tzdata-2024.2-py2.py3-none-any.whl (346 kB)
Installing collected packages: tzdata, sqlparse, asgiref, Django
  WARNING: The script sqlformat.exe is installed in 'C:\Users\vboxuser\AppData\Local\Programs\Python\Python313\Scripts'
  which is not on PATH.
  Consider adding this directory to PATH or, if you prefer to suppress this warning, use --no-warn-script-location.
  WARNING: The script django-admin.exe is installed in 'C:\Users\vboxuser\AppData\Local\Programs\Python\Python313\Scripts'
  which is not on PATH.
  Consider adding this directory to PATH or, if you prefer to suppress this warning, use --no-warn-script-location.
Successfully installed Django-5.1.3 asgiref-3.8.1 sqlparse-0.5.2 tzdata-2024.2

[notice] A new release of pip is available: 24.2 -> 24.3.1
[notice] To update, run: C:\Users\vboxuser\AppData\Local\Programs\Python\Python313\python.exe -m pip install --upgrade pip
PS C:\Users\vboxuser>
```

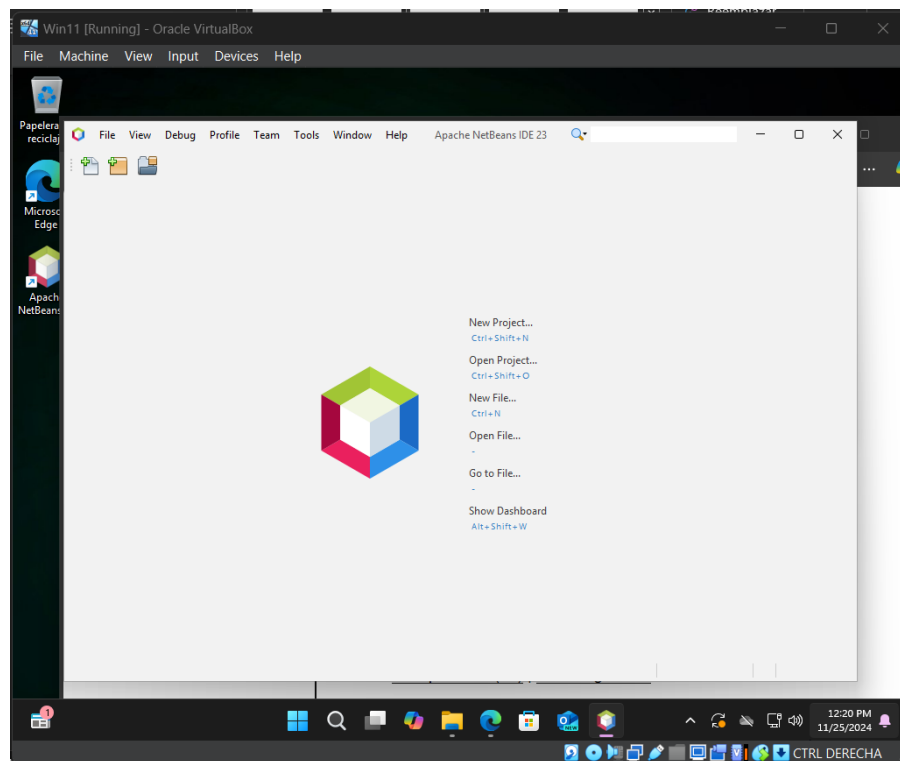
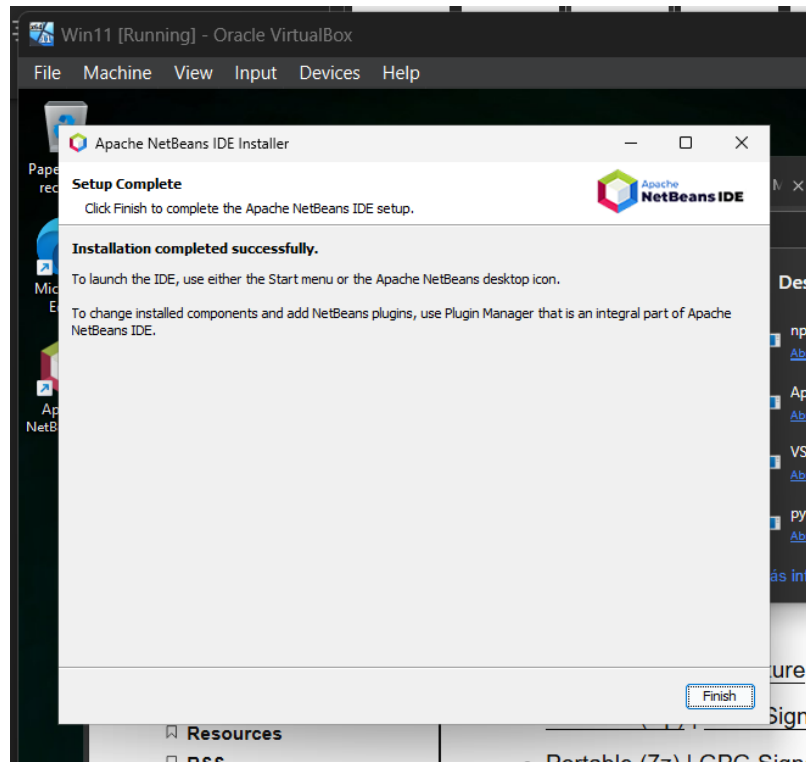
Instalación de editores de lenguaje de programación

#### 1. Visual studio Code

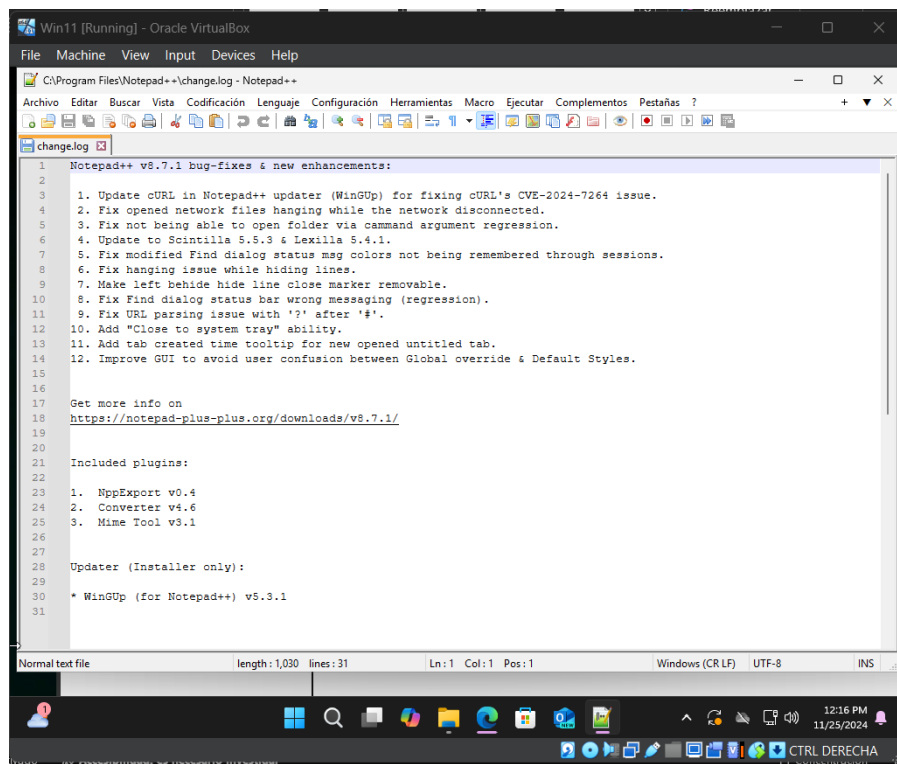
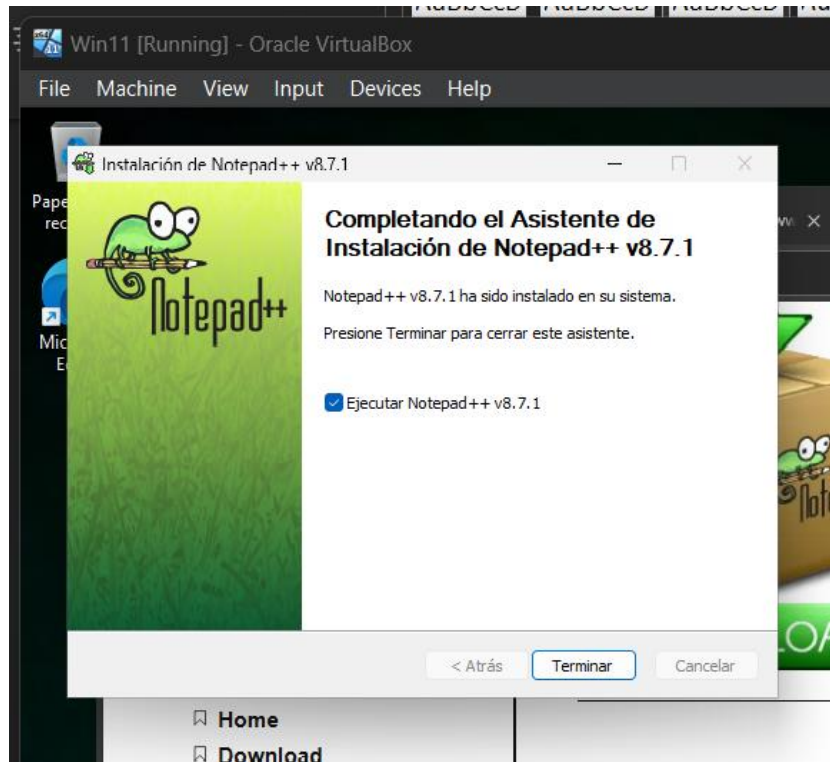




## 2. NetBeans



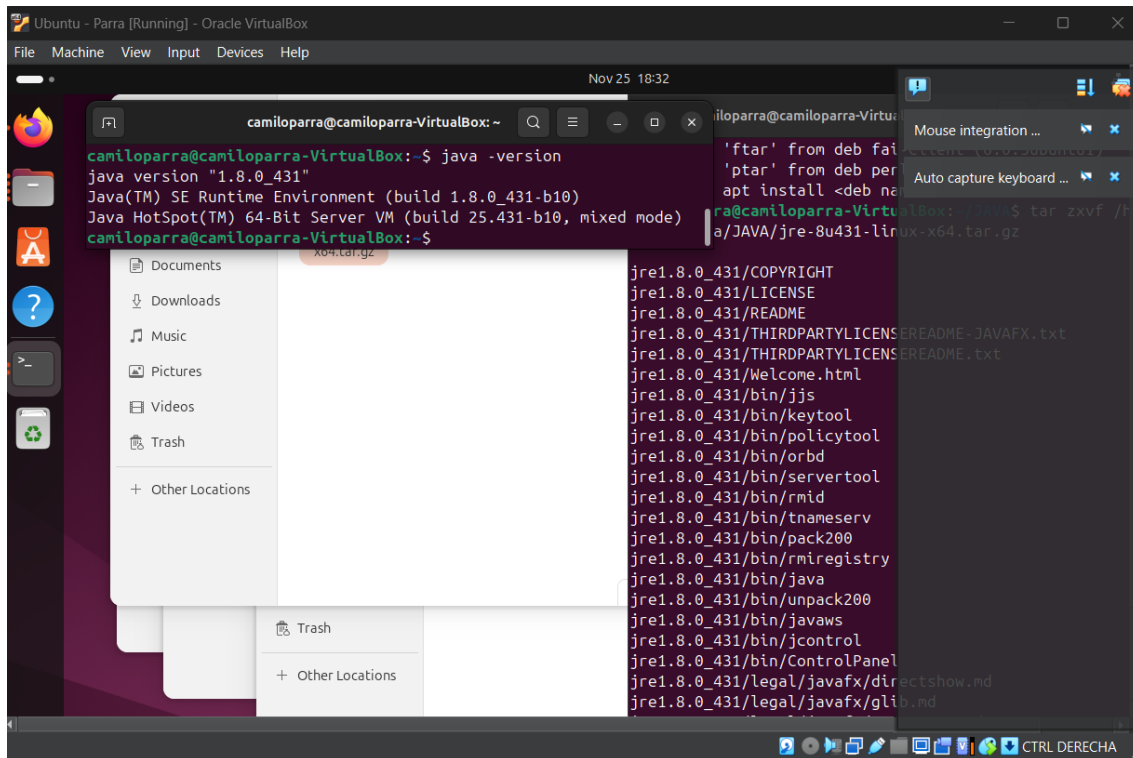
### 3. NotePad ++



## Linux (Ubuntu)

### Instalación Lenguajes de programación

#### 1. Java



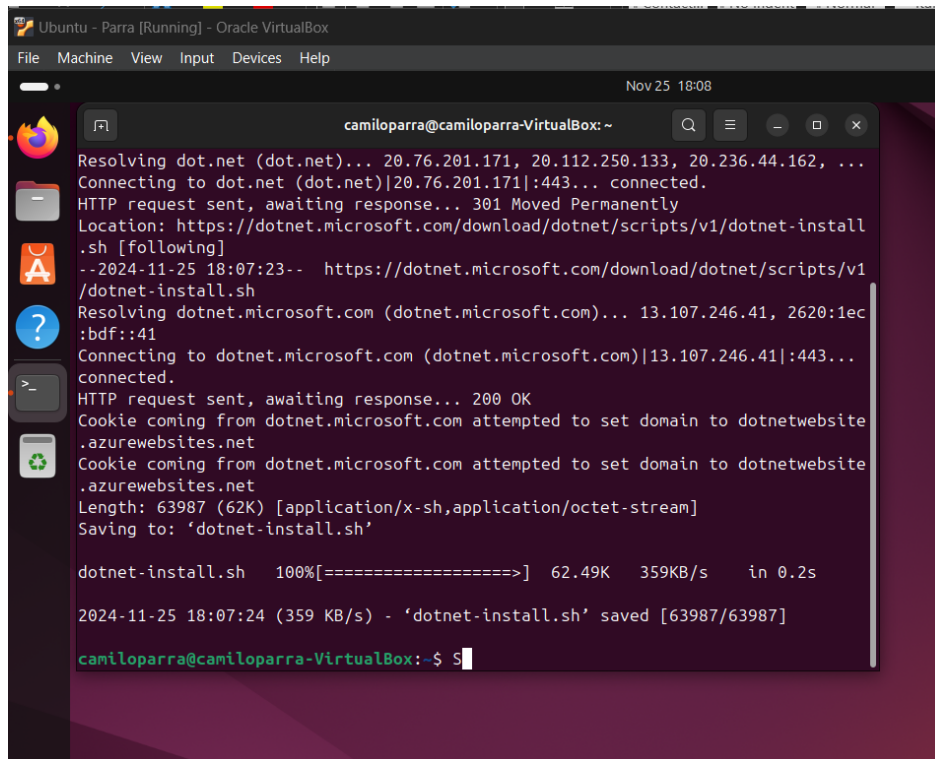
```
Ubuntu - Parra [Running] - Oracle VirtualBox
File Machine View Input Devices Help
Nov 25 18:32

camiloparra@camiloparra-VirtualBox: ~
camiloparra@camiloparra-VirtualBox:~$ java -version
java version "1.8.0_431"
Java(TM) SE Runtime Environment (build 1.8.0_431-b10)
Java HotSpot(TM) 64-Bit Server VM (build 25.431-b10, mixed mode)
camiloparra@camiloparra-VirtualBox:~$

'ftar' from deb fa
'ptar' from deb per
apt install <deb na

camiloparra@camiloparra-VirtualBox:~$ tar xzvf jre-8u431-linux-x64.tar.gz
jre1.8.0_431/COPYRIGHT
jre1.8.0_431/LICENSE
jre1.8.0_431/README
jre1.8.0_431/THIRDPARTYLICENSEREADME-JAVAFX.txt
jre1.8.0_431/THIRDPARTYLICENSEREADME.txt
jre1.8.0_431/Welcome.html
jre1.8.0_431/bin/jjs
jre1.8.0_431/bin/keytool
jre1.8.0_431/bin/policytool
jre1.8.0_431/bin/orbd
jre1.8.0_431/bin/servtool
jre1.8.0_431/bin/rmid
jre1.8.0_431/bin/tnameserv
jre1.8.0_431/bin/pack200
jre1.8.0_431/bin/rmiregistry
jre1.8.0_431/bin/java
jre1.8.0_431/bin/unpack200
jre1.8.0_431/bin/javaws
jre1.8.0_431/bin/jcontrol
jre1.8.0_431/bin/ControlPanel
jre1.8.0_431/legal/javafx/directshow.md
jre1.8.0_431/legal/javafx/glib.md
```

#### 2. C#



```
Ubuntu - Parra [Running] - Oracle VirtualBox
File Machine View Input Devices Help
Nov 25 18:08

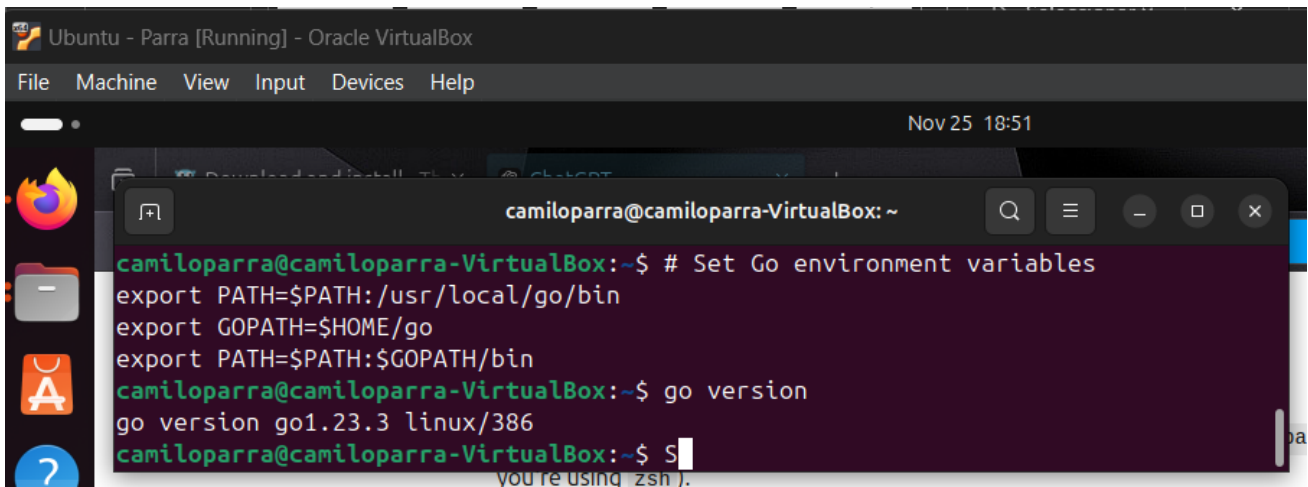
camiloparra@camiloparra-VirtualBox: ~
Resolving dot.net (dot.net)... 20.76.201.171, 20.112.250.133, 20.236.44.162, ...
Connecting to dot.net (dot.net)|20.76.201.171|:443... connected.
HTTP request sent, awaiting response... 301 Moved Permanently
Location: https://dotnet.microsoft.com/download/dotnet/scripts/v1/dotnet-install
.sh [following]
--2024-11-25 18:07:23-- https://dotnet.microsoft.com/download/dotnet/scripts/v1
/dotnet-install.sh
Resolving dotnet.microsoft.com (dotnet.microsoft.com)... 13.107.246.41, 2620:1ec
:bdf::41
Connecting to dotnet.microsoft.com (dotnet.microsoft.com)|13.107.246.41|:443...
connected.
HTTP request sent, awaiting response... 200 OK
Cookie coming from dotnet.microsoft.com attempted to set domain to dotnetwebsite
.azurewebsites.net
Cookie coming from dotnet.microsoft.com attempted to set domain to dotnetwebsite
.azurewebsites.net
Length: 63987 (62K) [application/x-sh,application/octet-stream]
Saving to: 'dotnet-install.sh'

dotnet-install.sh  100%[=====] 62.49K  359KB/s   in 0.2s

2024-11-25 18:07:24 (359 KB/s) - 'dotnet-install.sh' saved [63987/63987]

camiloparra@camiloparra-VirtualBox:~$ S
```

### 3. Go

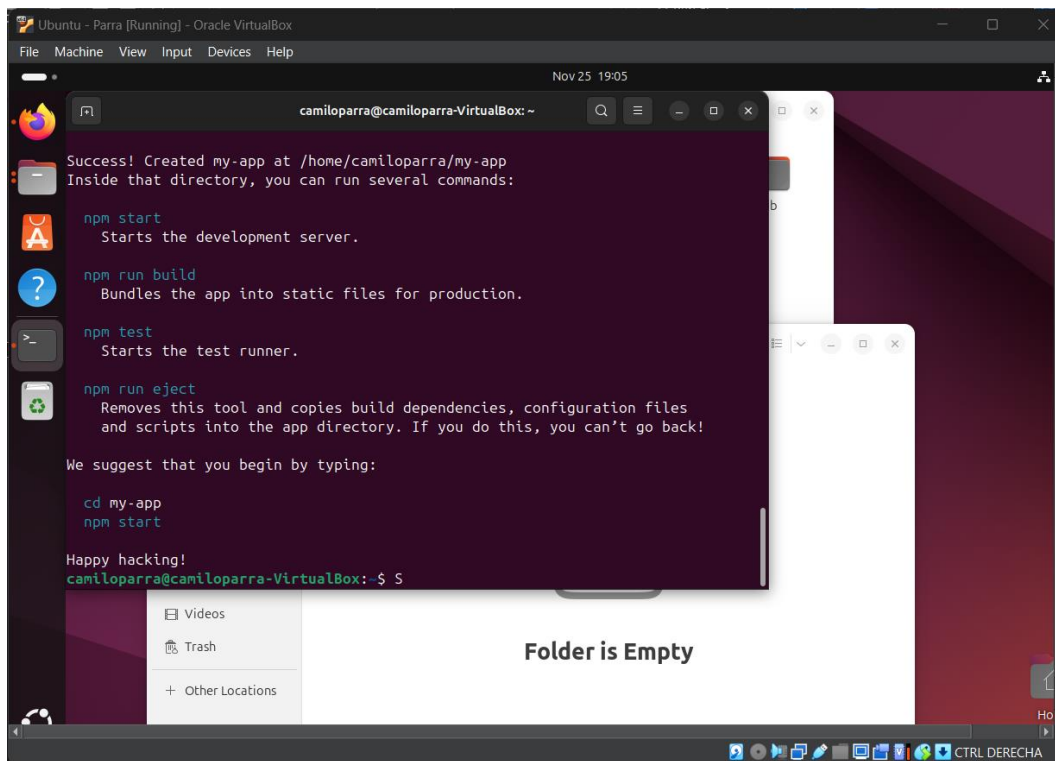


```
Ubuntu - Parra [Running] - Oracle VirtualBox
File Machine View Input Devices Help
Nov 25 18:51

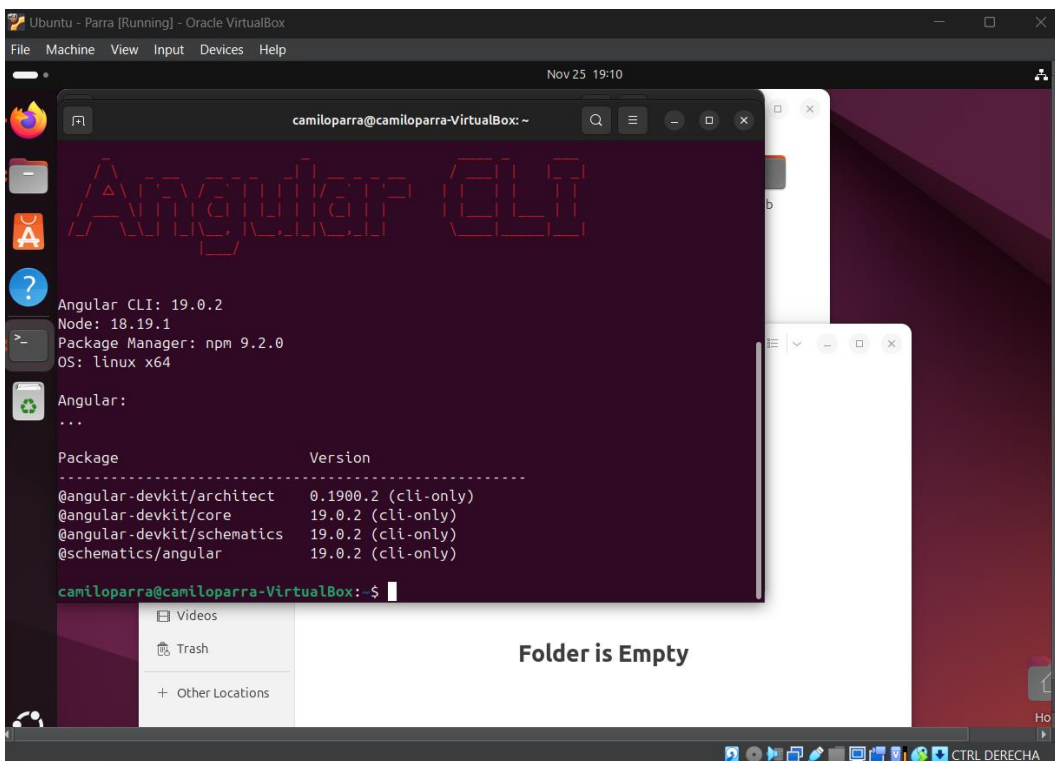
camiloparra@camiloparra-VirtualBox: ~
camiloparra@camiloparra-VirtualBox:~$ # Set Go environment variables
export PATH=$PATH:/usr/local/go/bin
export GOPATH=$HOME/go
export PATH=$PATH:$GOPATH/bin
camiloparra@camiloparra-VirtualBox:~$ go version
go version go1.23.3 linux/386
camiloparra@camiloparra-VirtualBox:~$ S
you're using zsh).
```

## Instalación de Frameworks

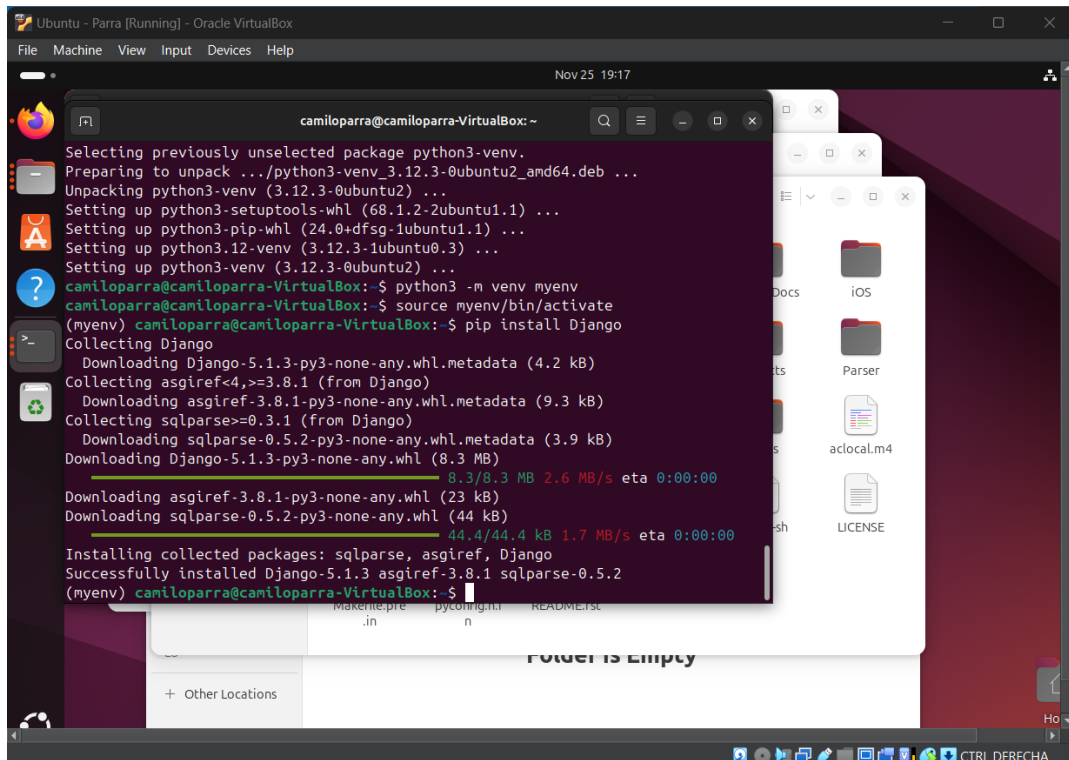
### 1. React



## 2. Angular



### 3. Django

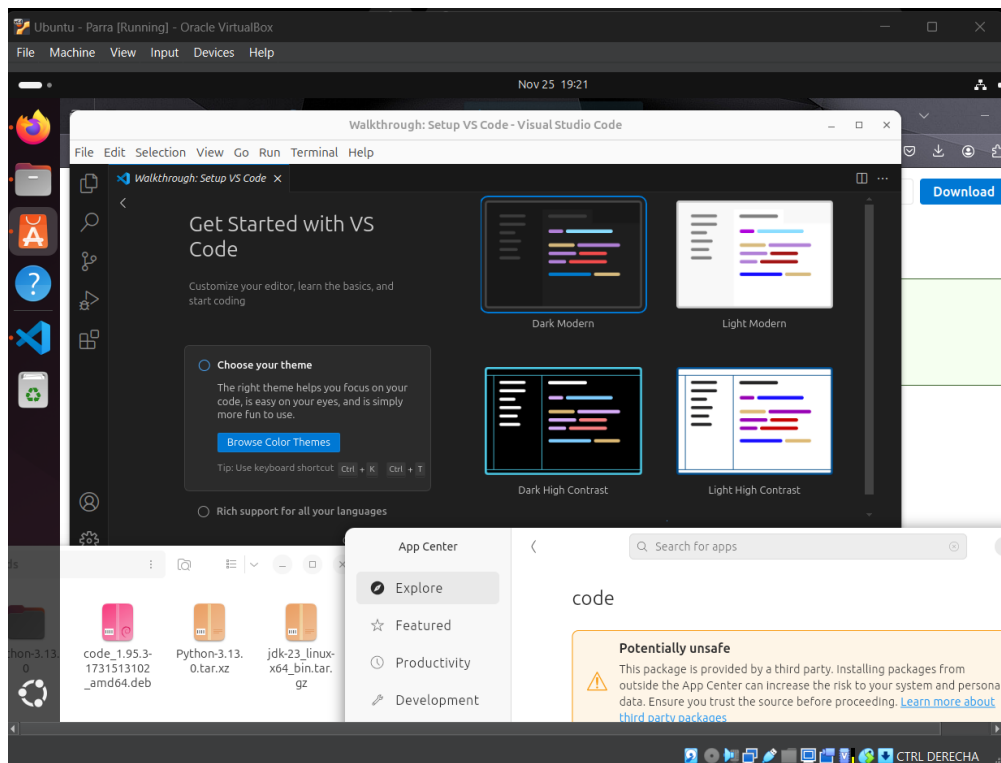


The screenshot shows a terminal window titled 'Ubuntu - Parra [Running] - Oracle VirtualBox'. The terminal output shows the installation of a Python virtual environment and Django. The user runs 'python3 -m venv myenv', then 'source myenv/bin/activate', and finally 'pip install Django'. The terminal shows the progress of downloading and installing Django and its dependencies (asgiref and sqlparse).

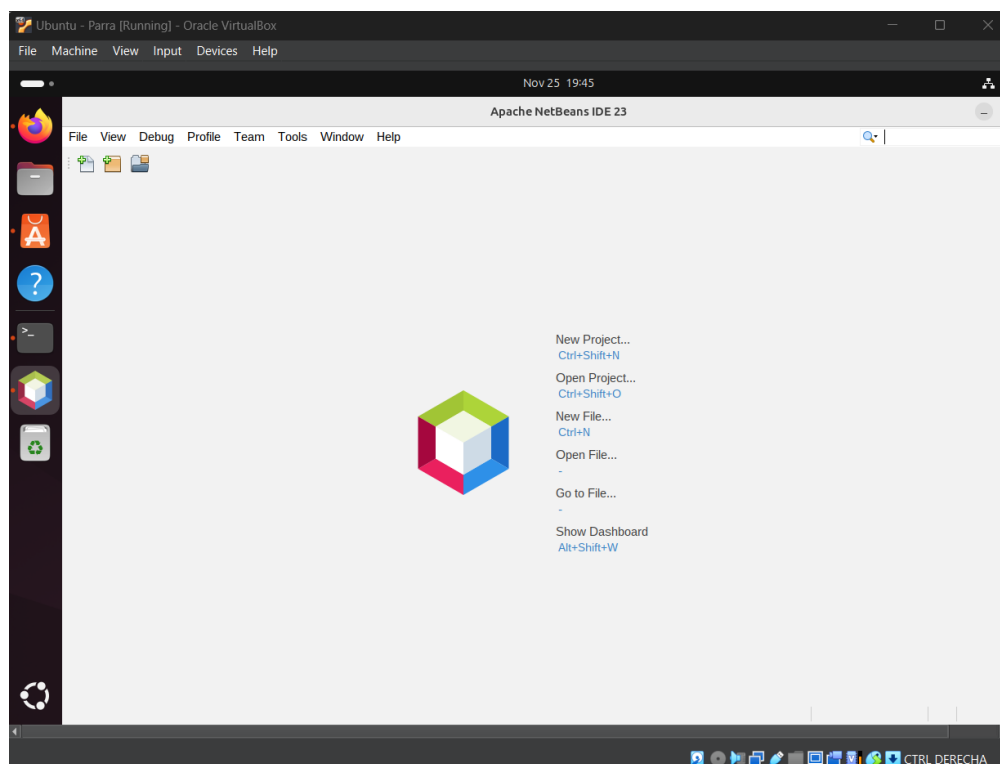
```
camiloparra@camiloparra-VirtualBox: ~  
Selecting previously unselected package python3-venv.  
Preparing to unpack .../python3-venv_3.12.3-0ubuntu2_amd64.deb ...  
Unpacking python3-venv (3.12.3-0ubuntu2) ...  
Setting up python3-setuptools-whl (68.1.2-2ubuntu1.1) ...  
Setting up python3-pip-whl (24.0+dfsg-1ubuntu1.1) ...  
Setting up python3.12-venv (3.12.3-1ubuntu0.3) ...  
Setting up python3-venv (3.12.3-0ubuntu2) ...  
camiloparra@camiloparra-VirtualBox:~$ python3 -m venv myenv  
camiloparra@camiloparra-VirtualBox:~$ source myenv/bin/activate  
(myenv) camiloparra@camiloparra-VirtualBox:~$ pip install Django  
Collecting Django  
  Downloading Django-5.1.3-py3-none-any.whl.metadata (4.2 kB)  
Collecting asgiref<4,>=3.8.1 (from Django)  
  Downloading asgiref-3.8.1-py3-none-any.whl.metadata (9.3 kB)  
Collecting sqlparse>=0.3.1 (from Django)  
  Downloading sqlparse-0.5.2-py3-none-any.whl.metadata (3.9 kB)  
Downloading Django-5.1.3-py3-none-any.whl (8.3 MB)  
8.3/8.3 MB 2.6 MB/s eta 0:00:00  
Downloading asgiref-3.8.1-py3-none-any.whl (23 kB)  
Downloading sqlparse-0.5.2-py3-none-any.whl (44 kB)  
44.4/44.4 kB 1.7 MB/s eta 0:00:00  
Installing collected packages: sqlparse, asgiref, Django  
Successfully installed Django-5.1.3 asgiref-3.8.1 sqlparse-0.5.2  
(myenv) camiloparra@camiloparra-VirtualBox:~$
```

Instalación de editores de lenguaje de programación

#### 1. Visual studio Code

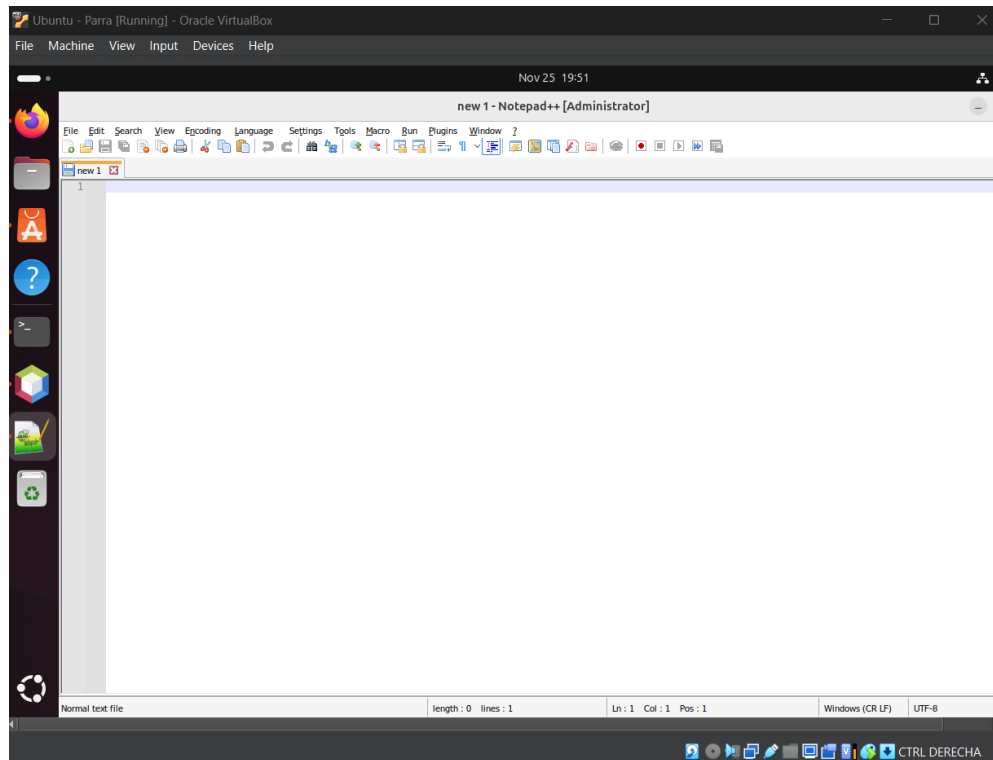


## 2. NetBeans





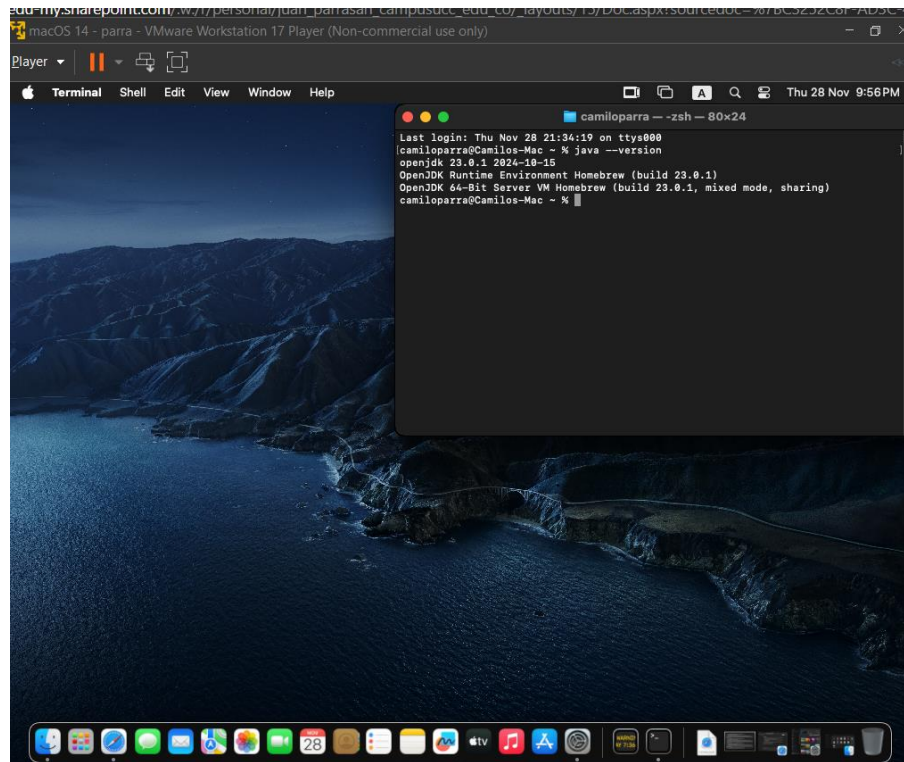
### 3. NotePadd++



## Mac (Sonoma)

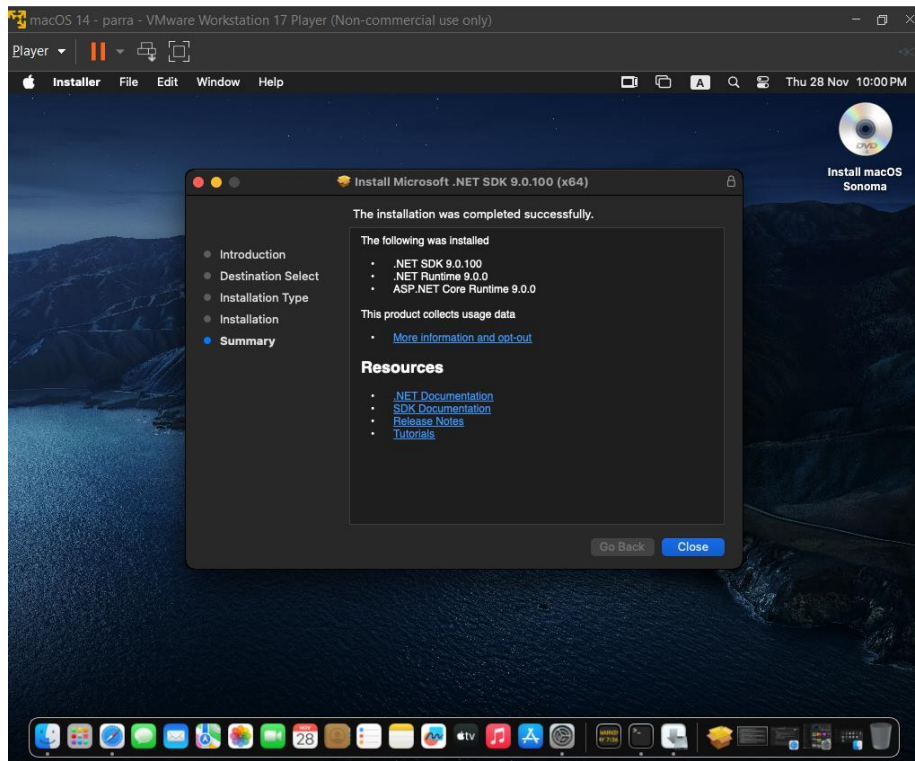
### Instalación Lenguajes de programación

#### 1. Java

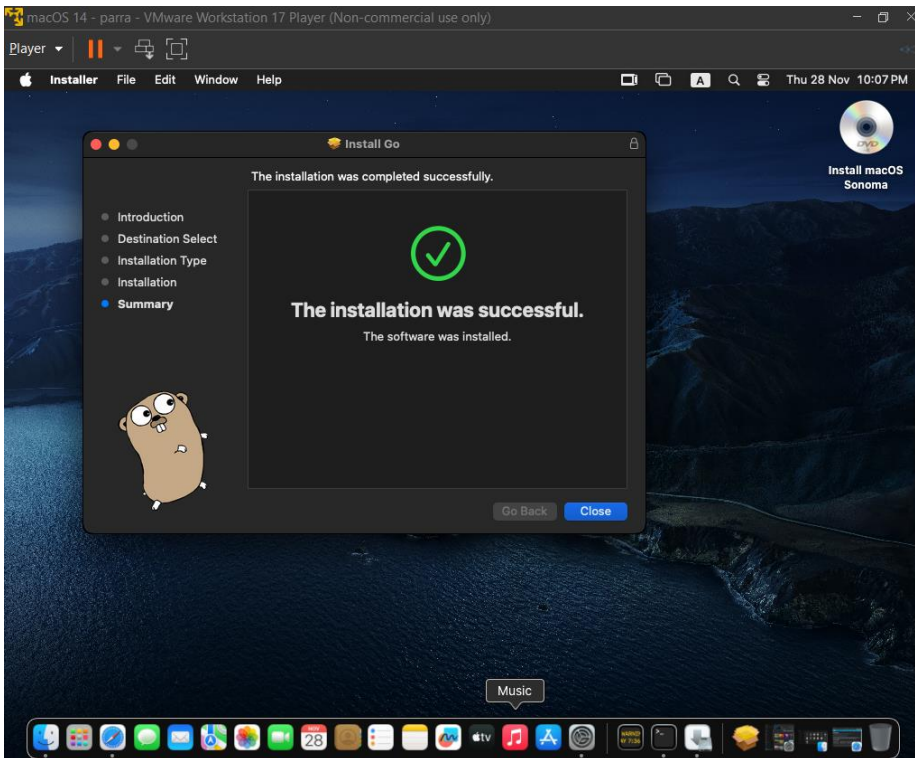


```
camiloparra@Camilo-Mac ~ % java --version
openjdk 23.0.1 2024-10-15
OpenJDK Runtime Environment Homebrew (build 23.0.1)
OpenJDK 64-Bit Server VM Homebrew (build 23.0.1, mixed mode, sharing)
camiloparra@Camilo-Mac ~ %
```

#### 2. C#

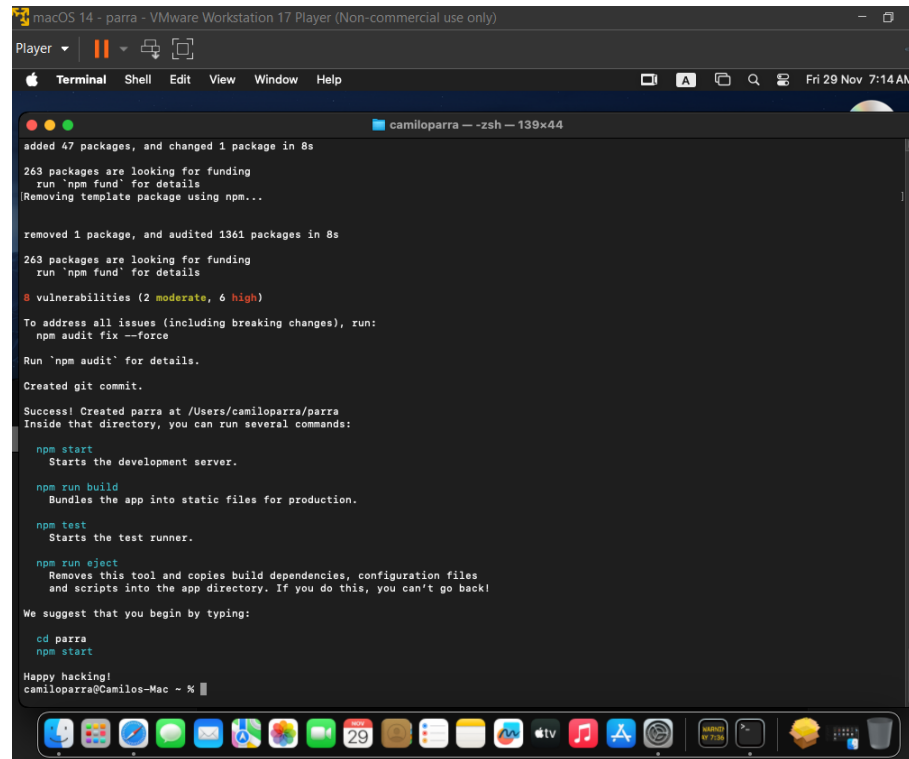


3. Go



## Instalación de Frameworks

### 1. React



```
macOS 14 - parra - VMware Workstation 17 Player (Non-commercial use only)
Player
Terminal Shell Edit View Window Help
camiloparra --zsh--139x44

added 47 packages, and changed 1 package in 8s
263 packages are looking for funding
  run 'npm fund' for details
Removing template package using npm...

removed 1 package, and audited 1361 packages in 8s
263 packages are looking for funding
  run 'npm fund' for details
8 vulnerabilities (2 moderate, 6 high)
To address all issues (including breaking changes), run:
  npm audit fix --force
Run 'npm audit' for details.

Created git commit.
Success! Created parra at /Users/camiloparra/parra
Inside that directory, you can run several commands:

  npm start
    Starts the development server.

  npm run build
    Bundles the app into static files for production.

  npm test
    Starts the test runner.

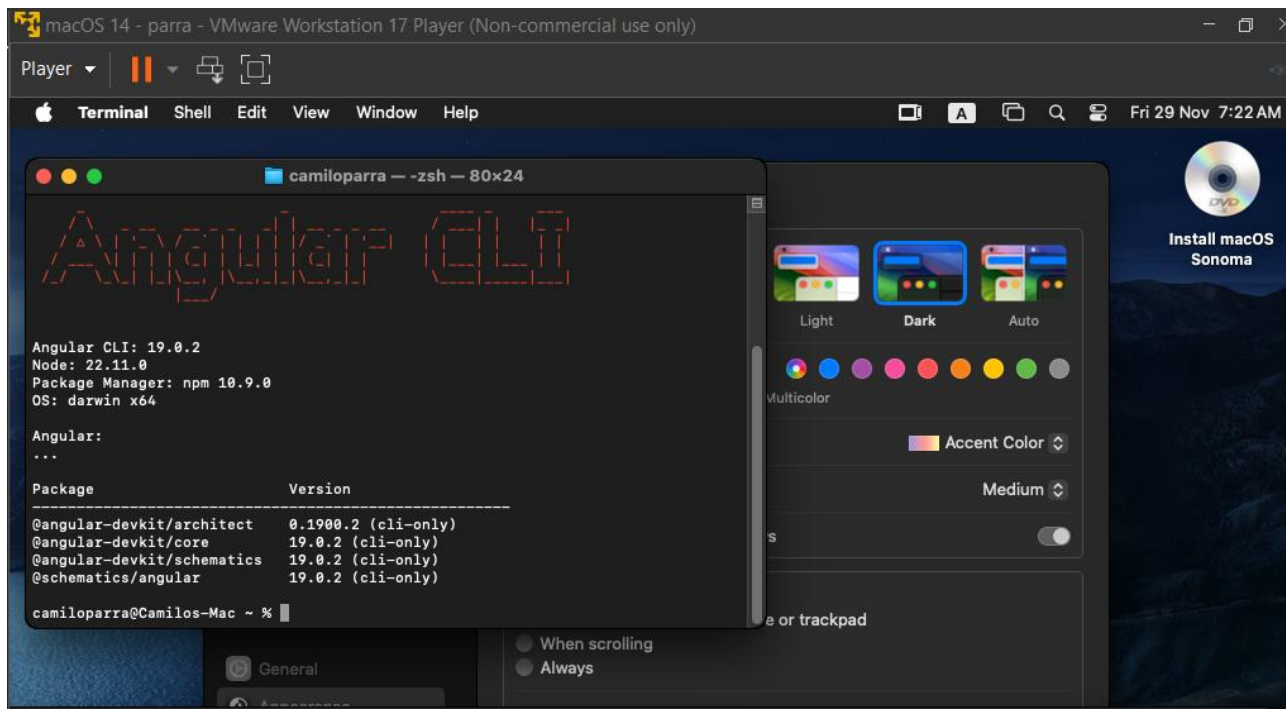
  npm run eject
    Removes this tool and copies build dependencies, configuration files
    and scripts into the app directory. If you do this, you can't go back!

We suggest that you begin by typing:

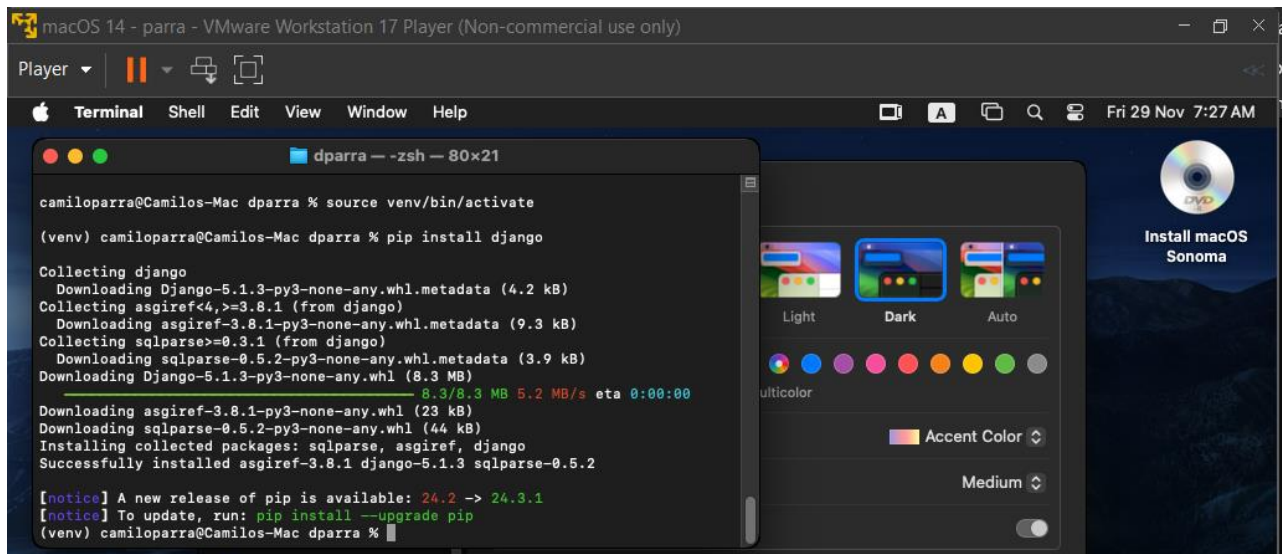
  cd parra
  npm start

Happy hacking!
camiloparra@Camilos-Mac ~ %
```

### 2. Angular

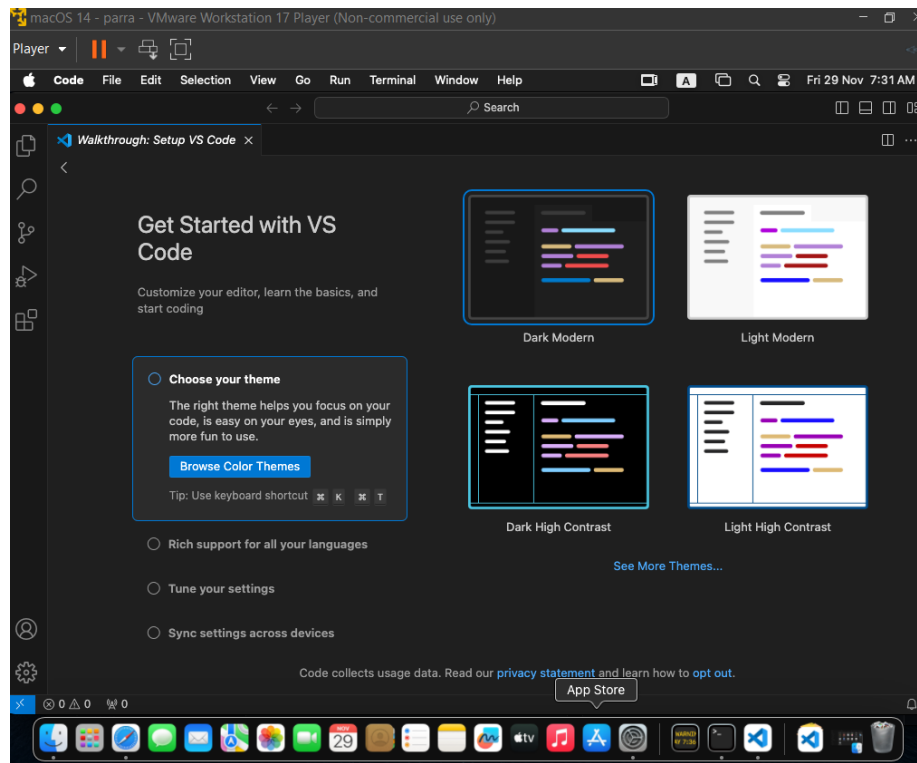


### 3. Django

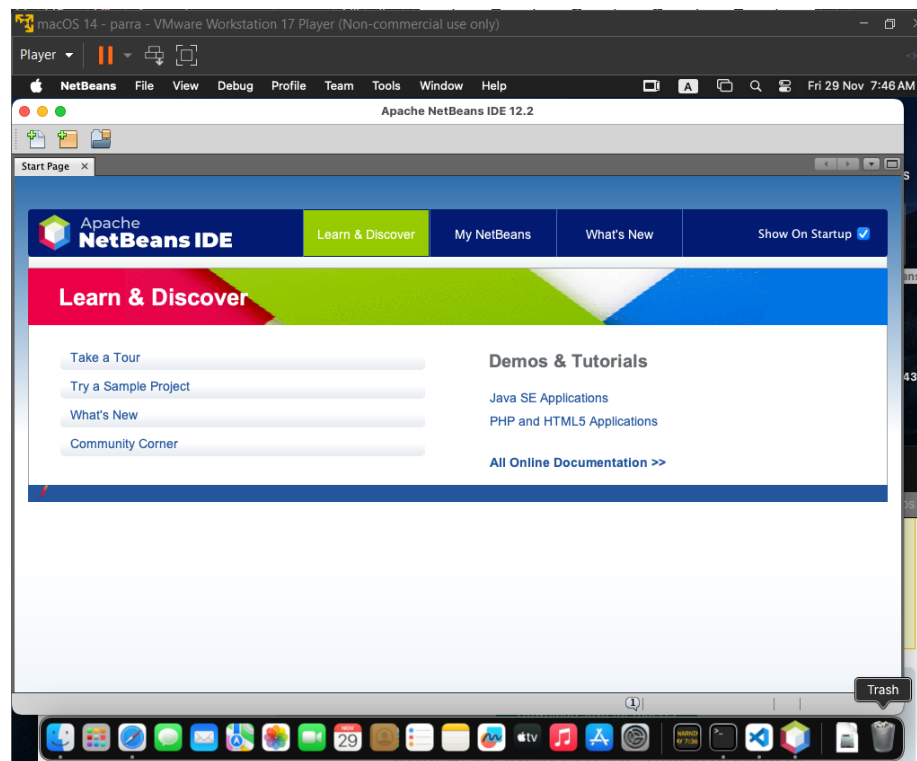


Instalación de editores de lenguaje de programación

### 1. Visual studio Code



## 2. NetBeans



### 3. Brackets.io

