



Tendencias En Desarrollo De Software Lab (IDS347L)

Lorenzo Solano Martinez

Manual

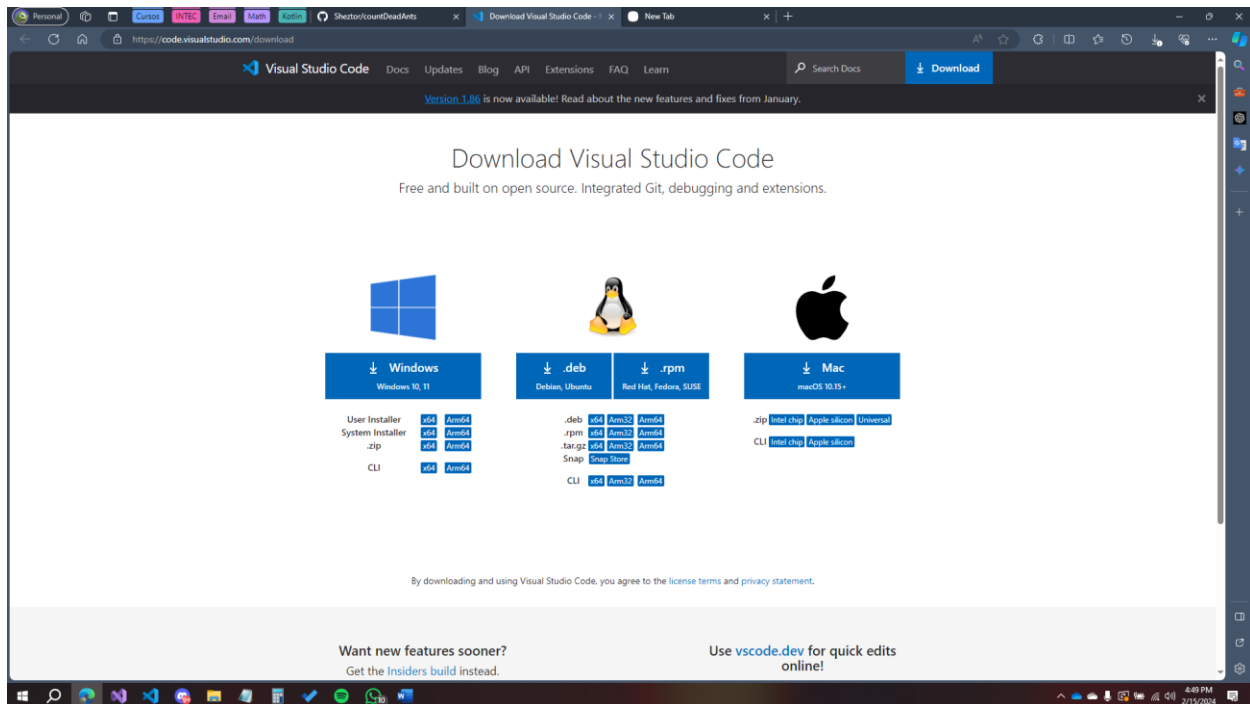
Héctor Fco. Sánchez Álvarez – 1118020

Trimestre Febrero – Abril 2024



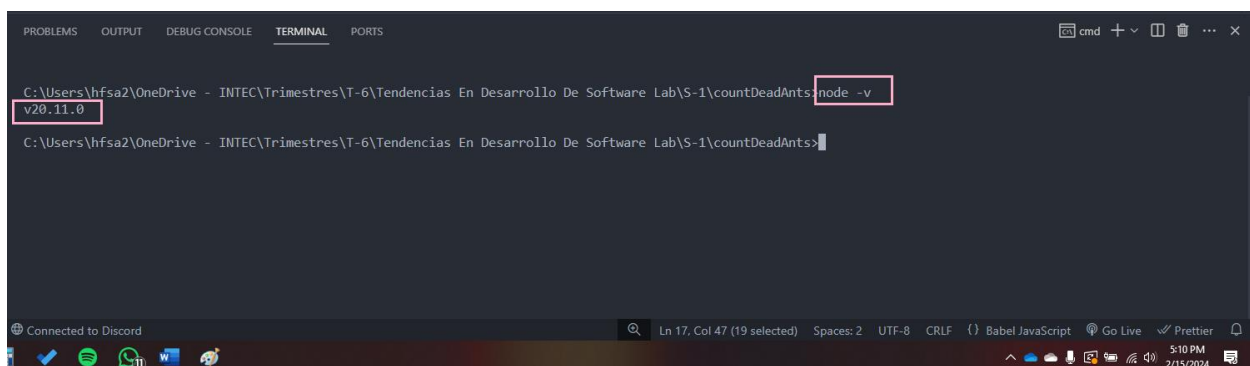
Having VSCode installed or downloading it if you don't have it.

[Official page to download VSCode.](https://code.visualstudio.com/download)



Validate that you have NodeJS installed to be able to run the program, and that the version is greater than 11. You just need to go to a terminal or command prompt. And execute the command **node -v** or **node --version**

We can use the terminal in VSCode.



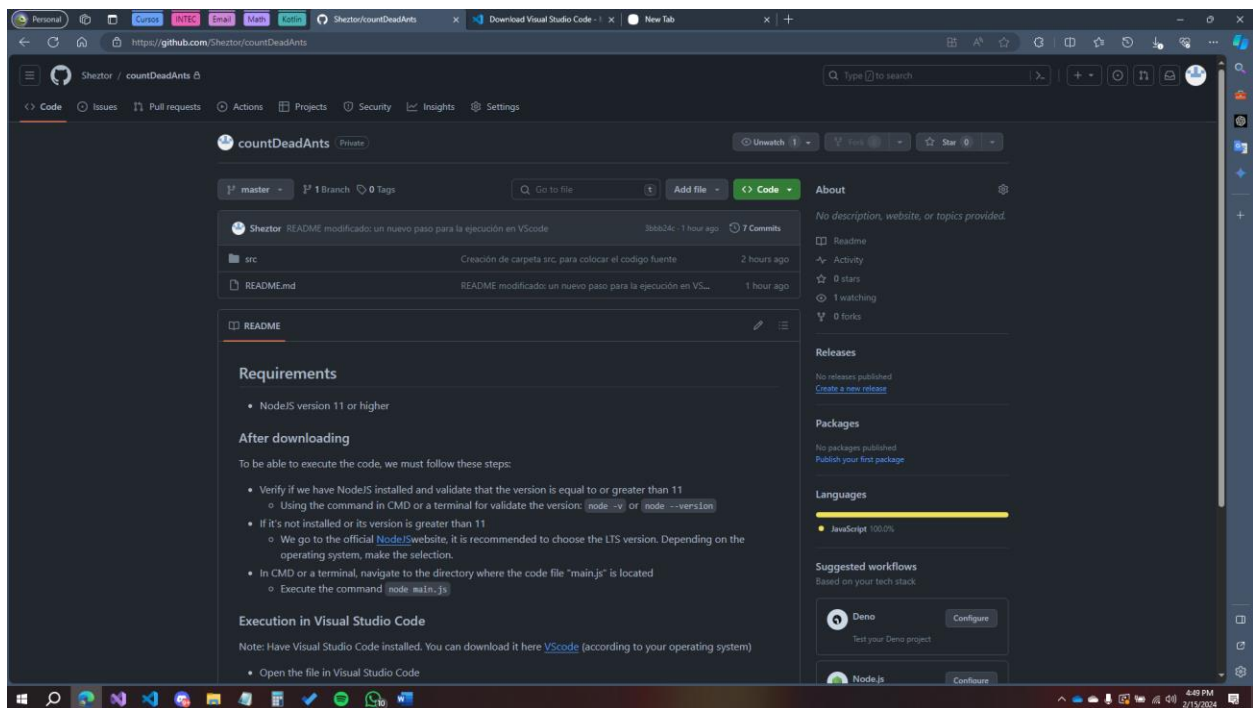
Or in the Command Prompt.

```
Command Prompt
Microsoft Windows [Version 10.0.19045.3996]
(c) Microsoft Corporation. All rights reserved.

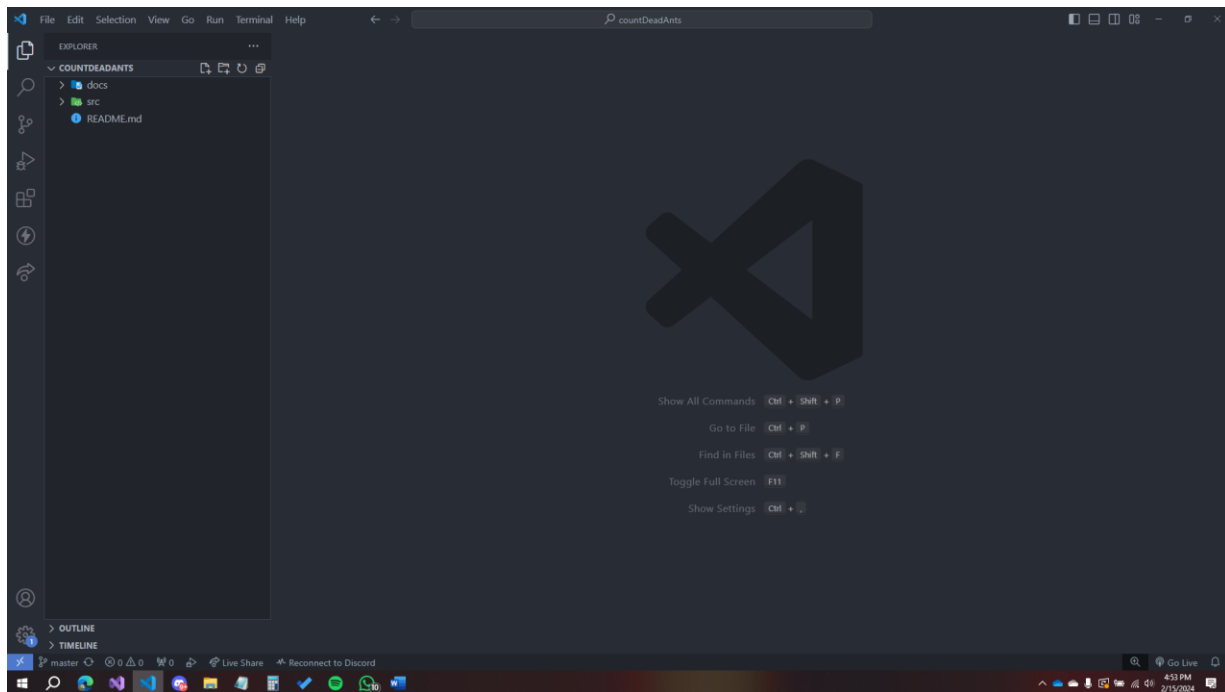
C:\Users\hfsa2>node --version
v20.11.0

C:\Users\hfsa2>_
```

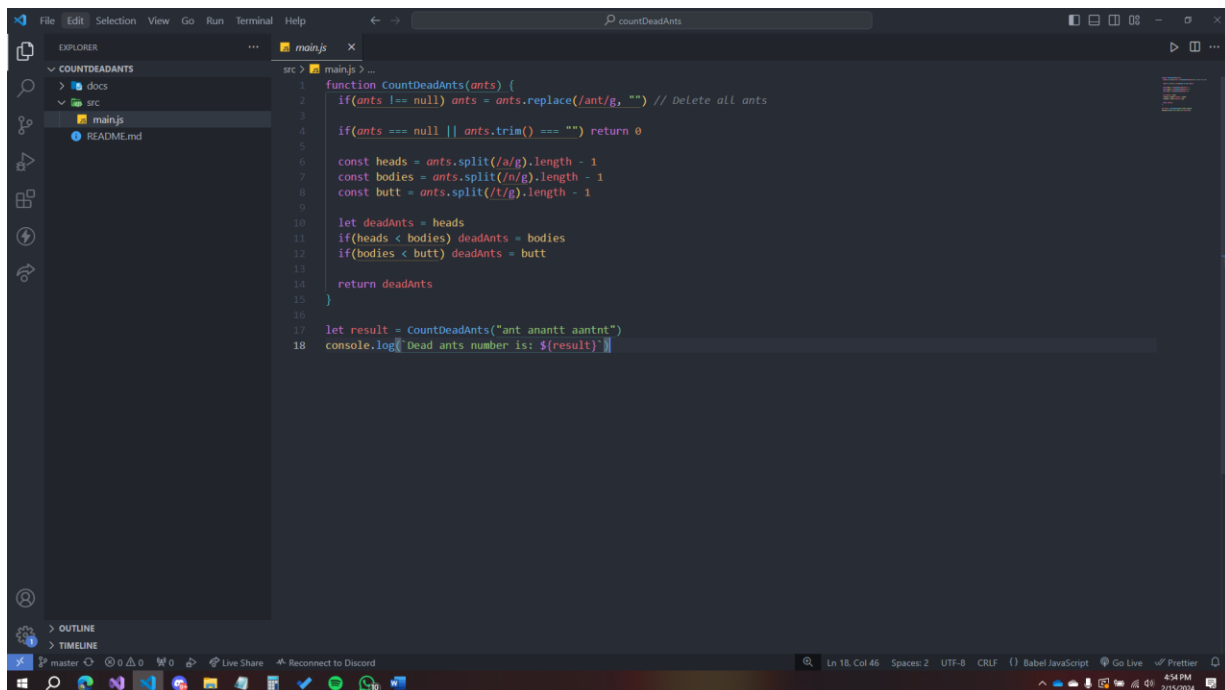
[Download the GitHub repository](#) and place it in the preferred location.



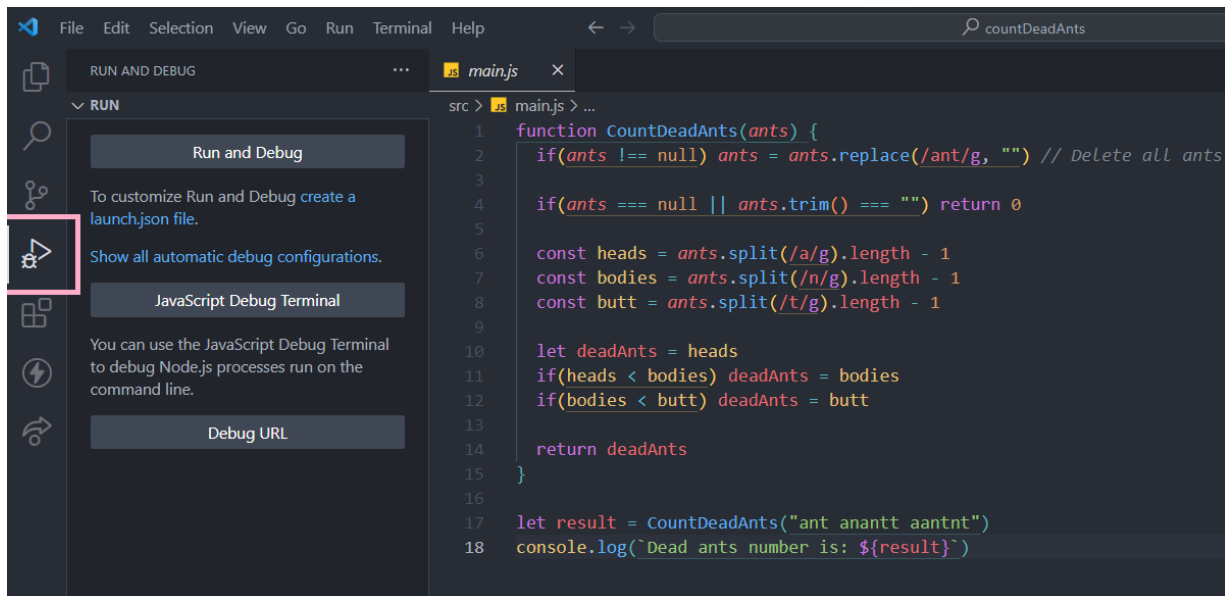
We open the downloaded project folder with VSCode.



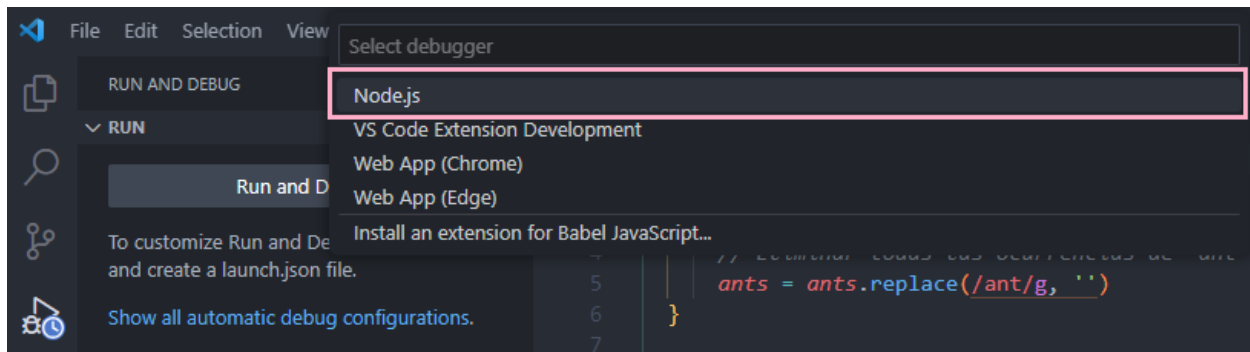
We open the “main.js” file located in the “src” folder.



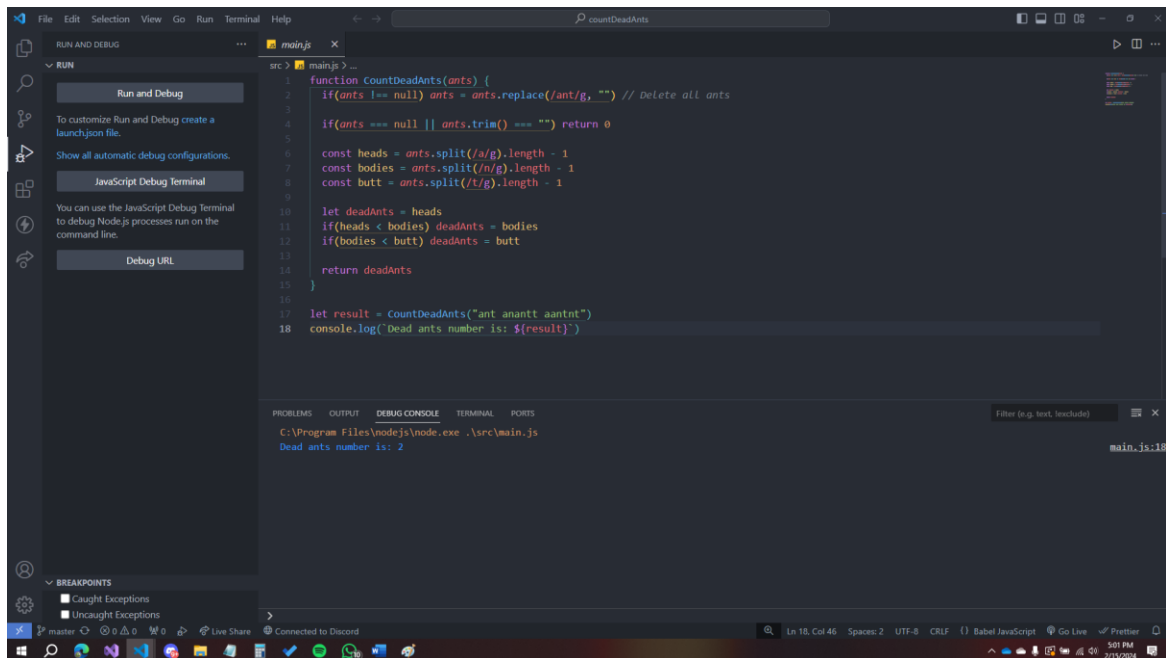
To execute it, we navigate to the Debug section.



It will ask us to select the debugger, we choose **Node.js**.



And the result of the code execution will be displayed.



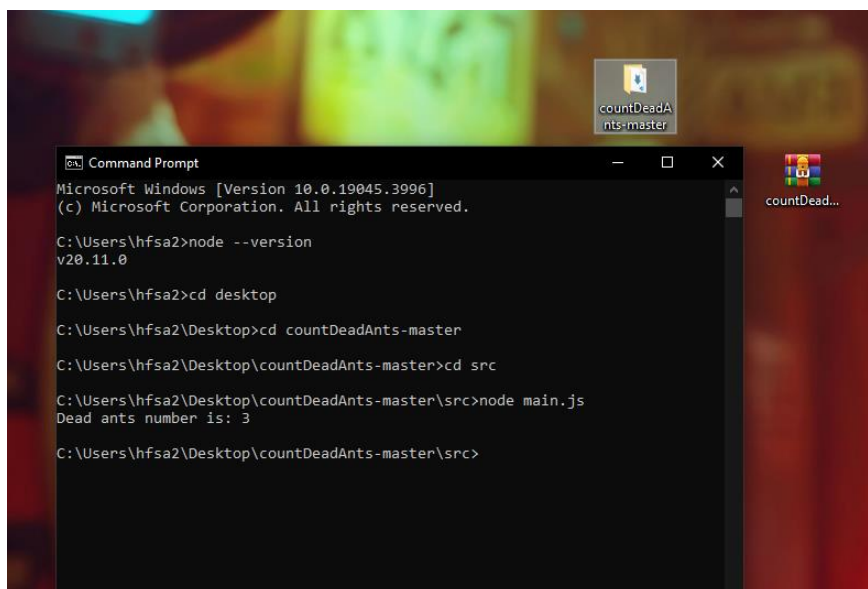
```
1 function CountDeadAnts(ants) {
2   if(ants !== null) ants = ants.replace(/ant/g, "") // Delete all ants
3
4   if(ants === null || ants.trim() === "") return 0
5
6   const heads = ants.split(/a/g).length - 1
7   const bodies = ants.split(/n/g).length - 1
8   const butt = ants.split(/t/g).length - 1
9
10  let deadAnts = heads
11  if(heads < bodies) deadAnts = bodies
12  if(bodies < butt) deadAnts = butt
13
14  return deadAnts
15 }
16
17 let result = CountDeadAnts("ant anantt aantnt")
18 console.log('Dead ants number is: ${result}')
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

C:\Program Files\nodejs\node.exe .\src\main.js

Dead ants number is: 2

You can also run the program from a terminal. If you navigate to the directory of the 'main.js' file, you just need to execute the command **node main.js**



```
Microsoft Windows [Version 10.0.19045.3996]
(c) Microsoft Corporation. All rights reserved.

C:\Users\hfsa2>node --version
v20.11.0

C:\Users\hfsa2>cd desktop

C:\Users\hfsa2\Desktop>cd countDeadAnts-master

C:\Users\hfsa2\Desktop\countDeadAnts-master>cd src

C:\Users\hfsa2\Desktop\countDeadAnts-master\src>node main.js
Dead ants number is: 3

C:\Users\hfsa2\Desktop\countDeadAnts-master\src>
```

In this case, the project is located on the desktop.



If you want to change the input data about the ants, you just need to change the value found between quotation marks (" ") on line 17, replacing "ant anantt aantnt" with the value you desire.

```
main.js x
src > .js main.js > ...
1 function CountDeadAnts(ants) {
2   if(ants !== null) ants = ants.replace(/ant/g, "") // Delete all ants
3
4   if(ants === null || ants.trim() === "") return 0
5
6   const heads = ants.split(/a/g).length - 1
7   const bodies = ants.split(/n/g).length - 1
8   const butt = ants.split(/t/g).length - 1
9
10  let deadAnts = heads
11  if(heads < bodies) deadAnts = bodies
12  if(bodies < butt) deadAnts = butt
13
14  return deadAnts
15 }
16
17 let result = CountDeadAnts("ant anantt aantnt")
18 console.log(`Dead ants number is: ${result}`)
```

Link to a playlist of two explanatory videos for running the program, [here](#).

