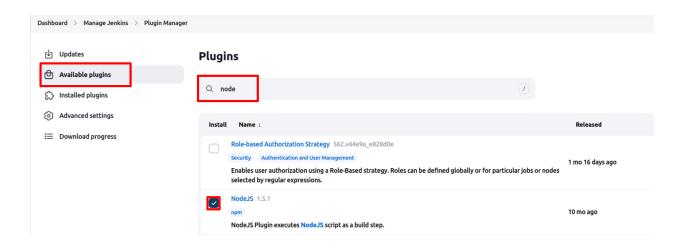
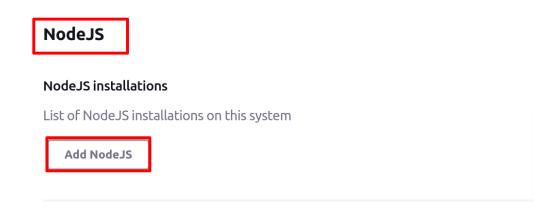


## Lab 4S. Creating A Pipeline for the NodeJS Result Application (Solution)

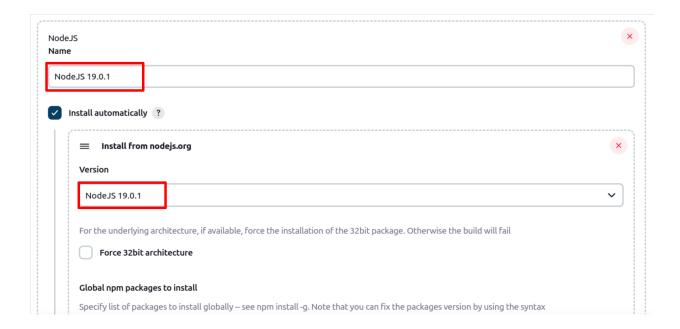
Install the **NodeJS** plugin for Jenkins.



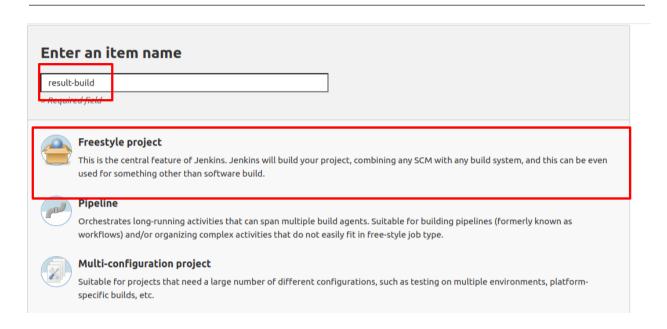
From Jenkins > System Configuration > Global Tool Configuration > NodeJS Installation, add a NodeJS installation with version 8.9.0.



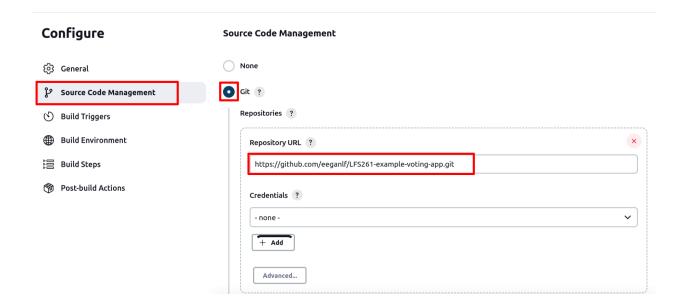
Name the installation exactly **NodeJS 19.0.1** as the name will be referred to later in the pipeline.



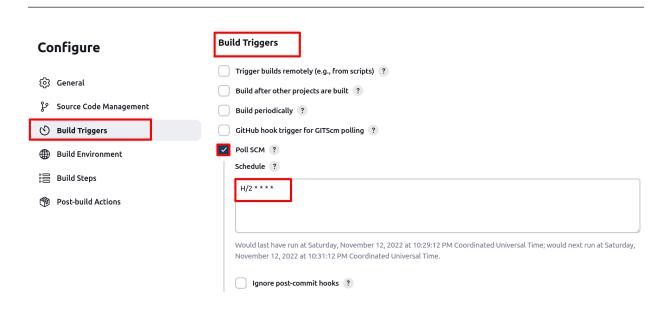
Create a new job inside the **instavote** folder called **result-build**, this time as a freestyle project.



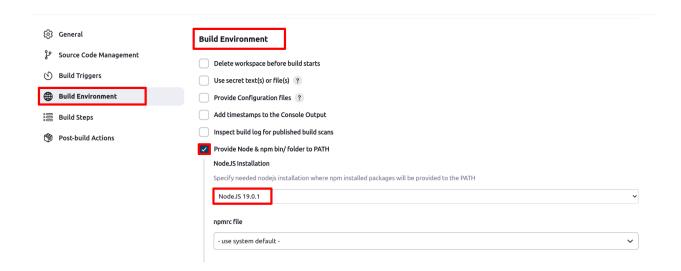
Paste in the **example-voting-app** Git repository that you forked in the **Source Code Management** section.



Define the build trigger as PollSCM with an interval of 2 mins by pasting  $\pi/2 * * *$  into the **Schedule** input box.

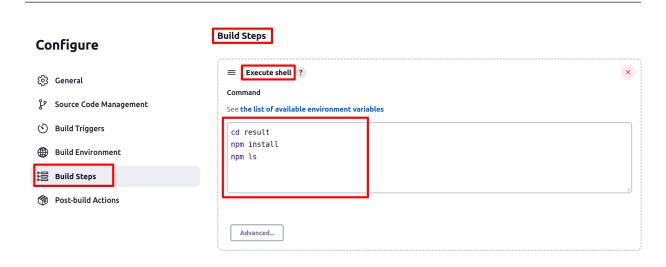


In the **Build Environment** choose to provide NodeJS configurations with the version you have selected in the **Global Tool Configuration**.



Select the **Execute shell** option from **Build steps > Add build step** and paste or type the following into the box:

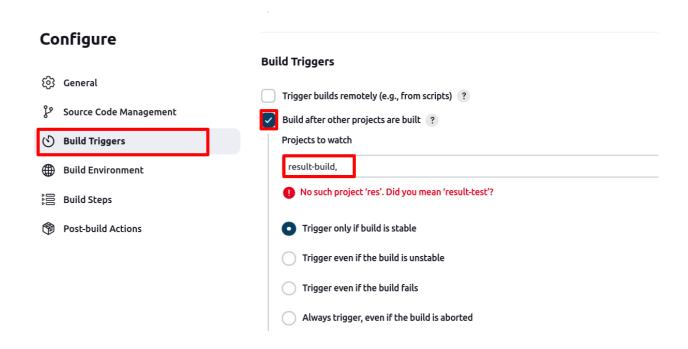
cd result
npm install
npm ls



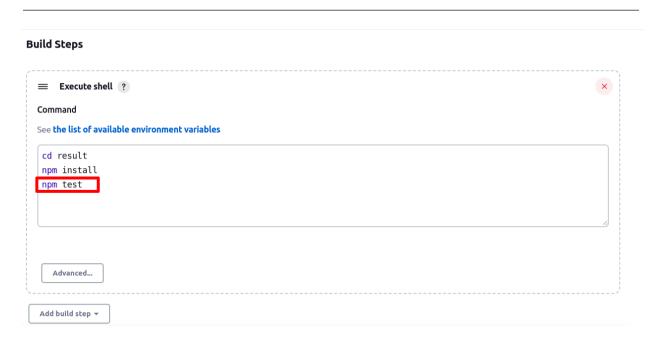
Save the project and build it.

Create another project with the name result-test, this time copying from result-build.

Change the build trigger to run after result-build is run.



Update the command to run npm test instead of npm 1s.



Create a new pipeline view, this time by choosing result-build as the first job to run.

After result-build runs, you should see both jobs turn green in the pipeline as follows:



This completes the CI pipeline for the result app created with NodeJS.