

INTRODUCTION TO SELENIUM

WHAT IS SELENIUM?

SELENIUM IS A CROSS PLATFORM OPEN-SOURCE AUTOMATION TESTING TOOL SUITE. IT WAS DEVELOPED TO HELP DEVELOPERS TEST THEIR WEB APPLICATIONS ACROSS DIFFERENT BROWSERS.



Selenium suite



WHAT DOES EACH TOOL PROVIDE?

SELENIUM REMOTE CONTROL: IT PROVIDES TESTING AUTOMATION ON DIFFERENT OS PLATFORMS ALONG WITH VARIOUS BROWSERS FOR DIFFERENT LANGUAGES.



SELENIUM GRID: IT IS A SMART PROXY SERVER THAT MAKES IT EASY TO RUN TESTS IN PARALLEL ON MULTIPLE MACHINES

WHAT DOES EACH TOOL PROVIDE?

SELENIUM IDE: IT IS PRIMARILY A RECORD AND RUN TOOL THAT A TEST CASE DEVELOPER USES TO DEVELOP SELENIUM TEST CASES.



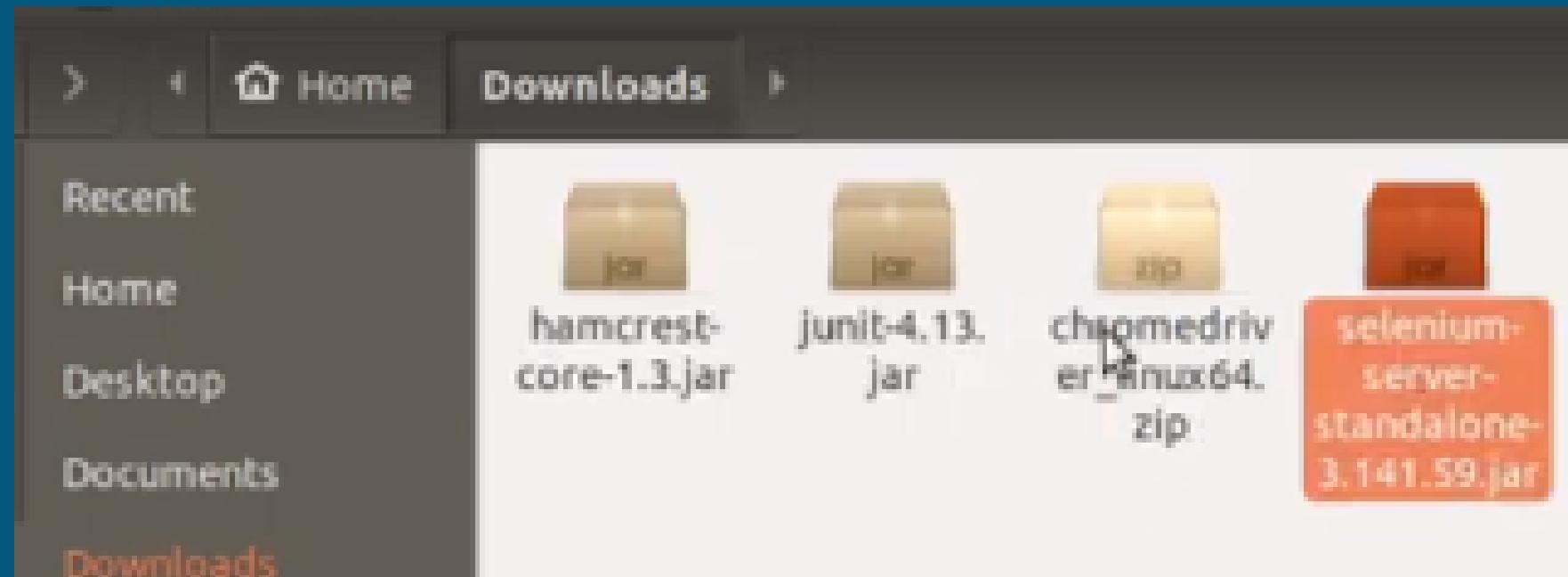
SELENIUM WEB-DRIVER: IT IS A WEB FRAMEWORK THAT PERMITS YOU TO EXECUTE CROSS-BROWSER TESTS.

HOW TO GET STARTED? (FOR JAVA ON LINUX)

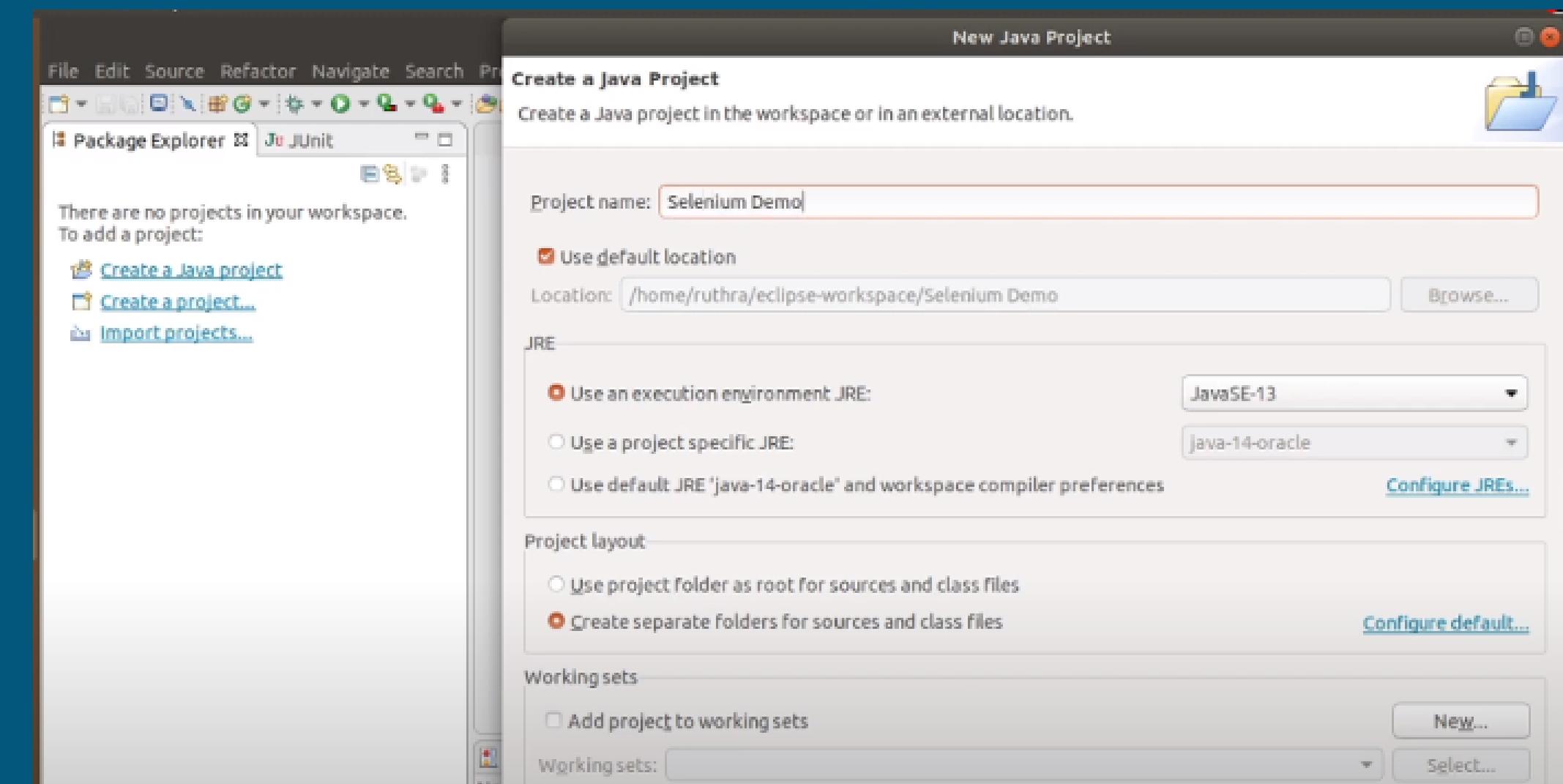
YOU NEED 3 THINGS ON YOUR
LOCAL MACHINE:

- SELENIUM STANDALONE SERVER
(DOWNLOAD [HERE](#))
- WEBDRIVER (CHROMIUM OR FIREFOX)
- JUNIT(5)

HOW TO GET STARTED?



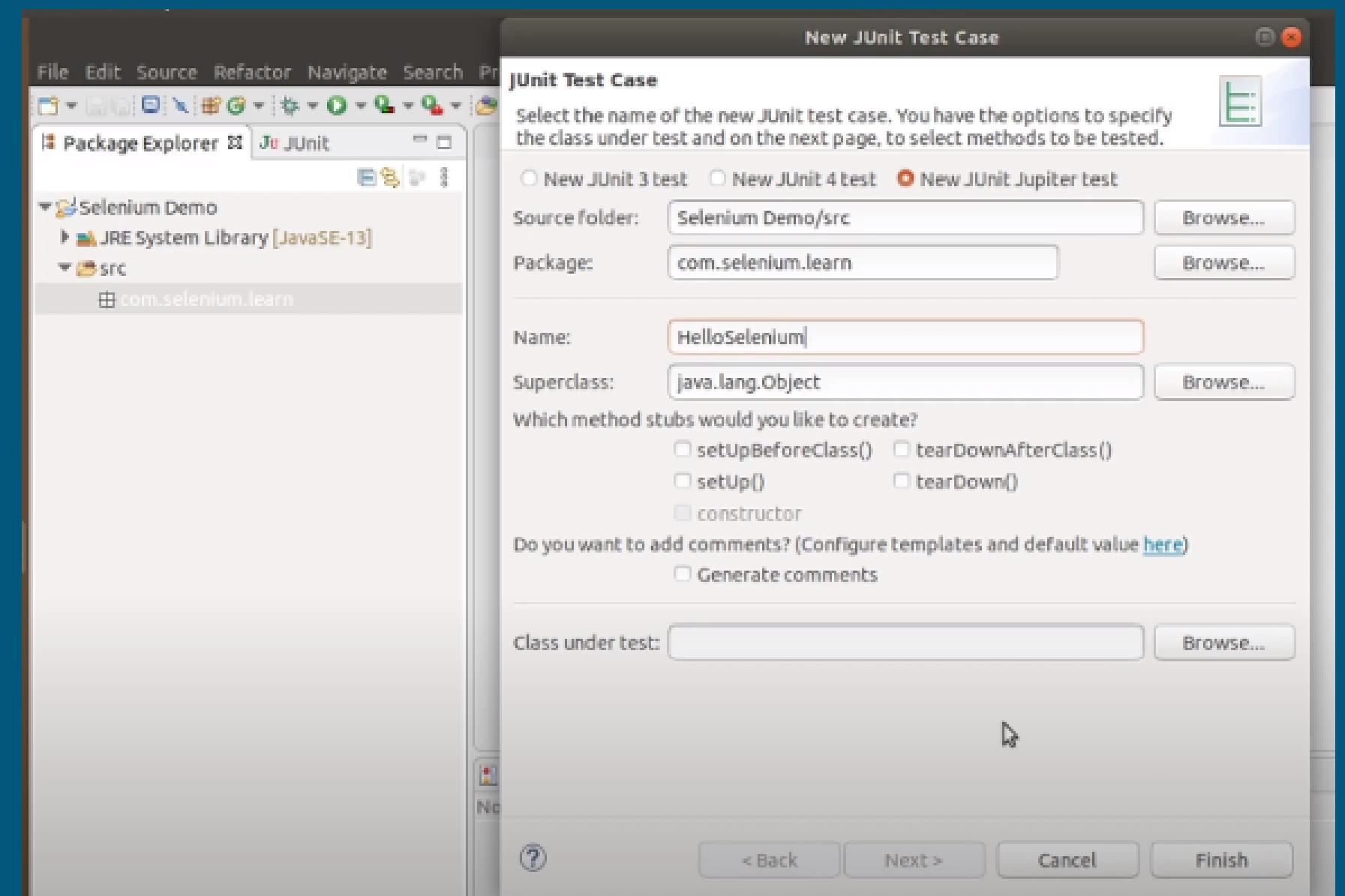
- CREATE A NEW JAVA PROJECT



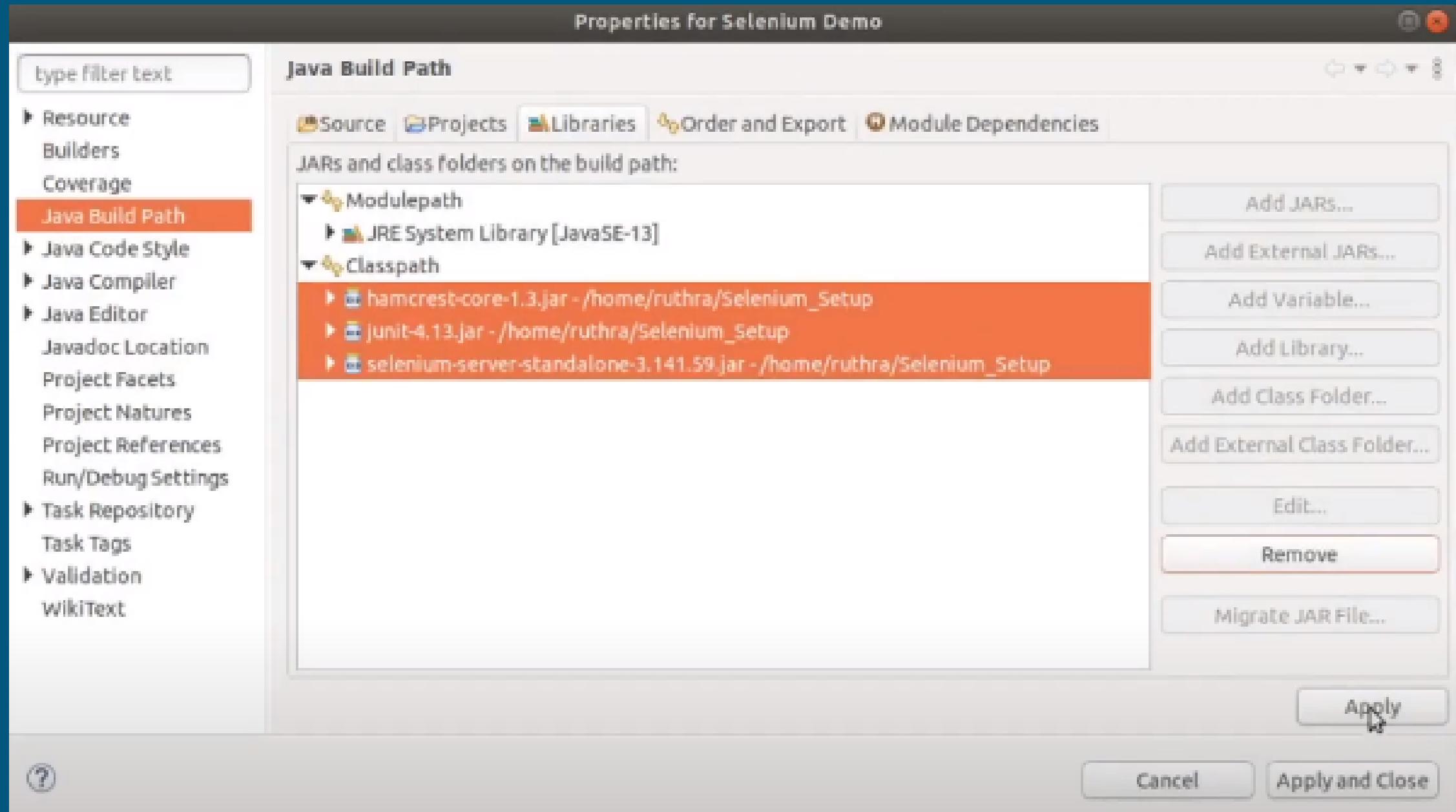
- INSTALL ALL THE DEPENDENCIES.

HOW TO GET STARTED?

- CREATE A J-UNIT TEST CASE FILE WITH SAME NAME AS OF THE TEST FILE'S CLASSNAME AND ADD YOUR TEST THERE.



HOW TO GET STARTED?



- **CONFIGURE BUILD PATH AND ADD THOSE INSTALLED DEPENDENCIES UNZIPPED.**

THAT'S IT!!

THANK YOU!

-KRISH DESAI
-CE074