

# Java Environment

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# Java Environment

Setting up Java Environment for Development  
in  
Windows OS

# Java Environment

- ◆ Are you?
  - ◆ Java Programs User?
    - ◆ Only you need Java Runtime Environment [JRE].
    - ◆ It contains sufficient environment that can run java programs.
    - ◆ But you can't create your own java programs.

# Java Environment

- ◆ Java Developer
  - ◆ You need Java Development Toolkit Packages [JDK].
  - ◆ You need a good text editor like [Notepad, Notepad++].
  - ◆ If your going work with a project then you can choose IDE's like [*Eclipse, Netbeans...*].
  - ◆ Download all your needs and be ready for set up.

# JDK

- It provides the environment to create and execute java programs.
- JRE is included with JDK.
- You can find latest version of jdk in this link.
  - ◆ <http://www.oracle.com/technetwork/java/javase/downloads/index.html>

# JDK and it's variations

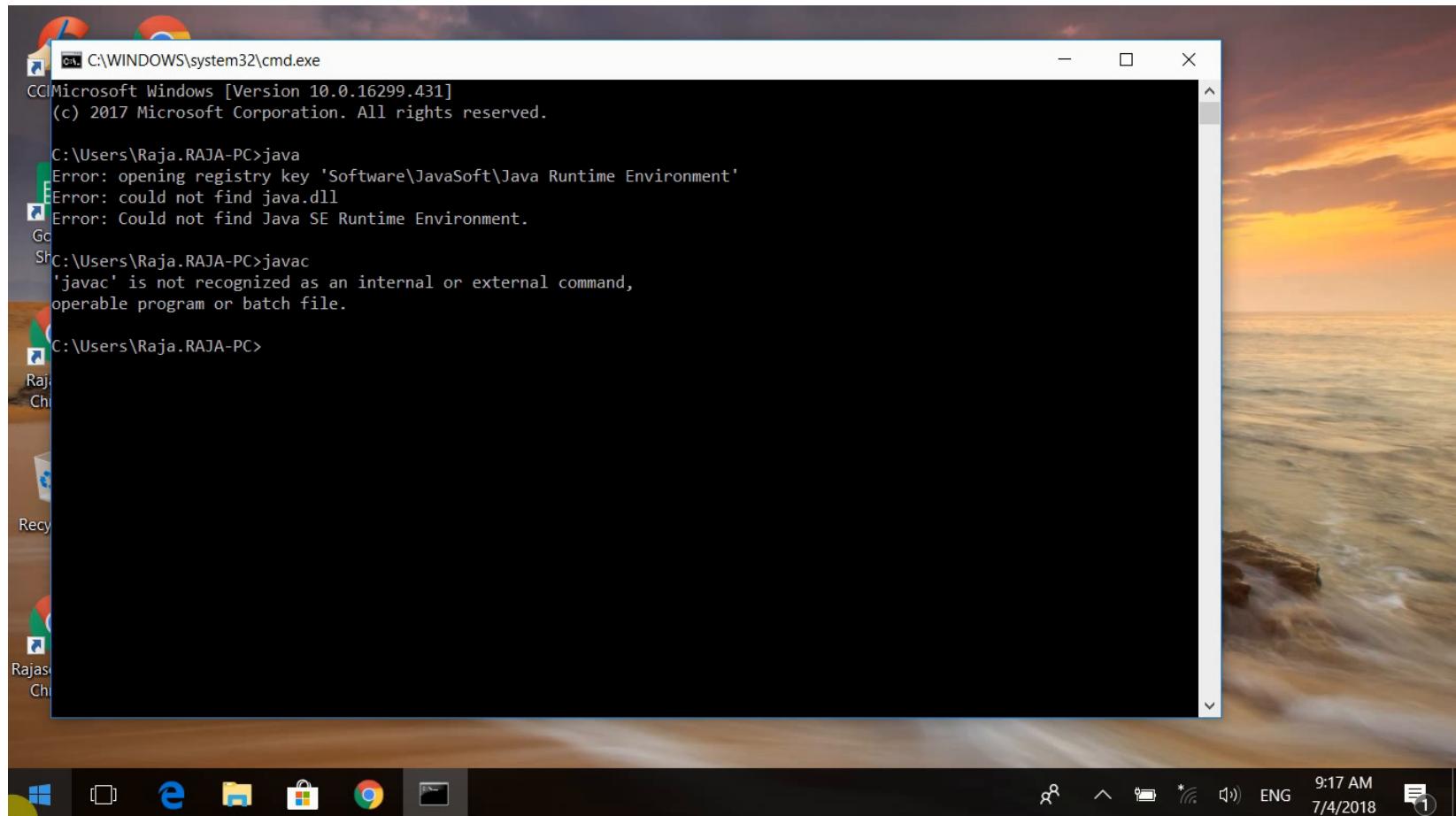
## Java SE Development Kit 10.0.1

You must accept the Oracle Binary Code License Agreement for Java SE to download this software.

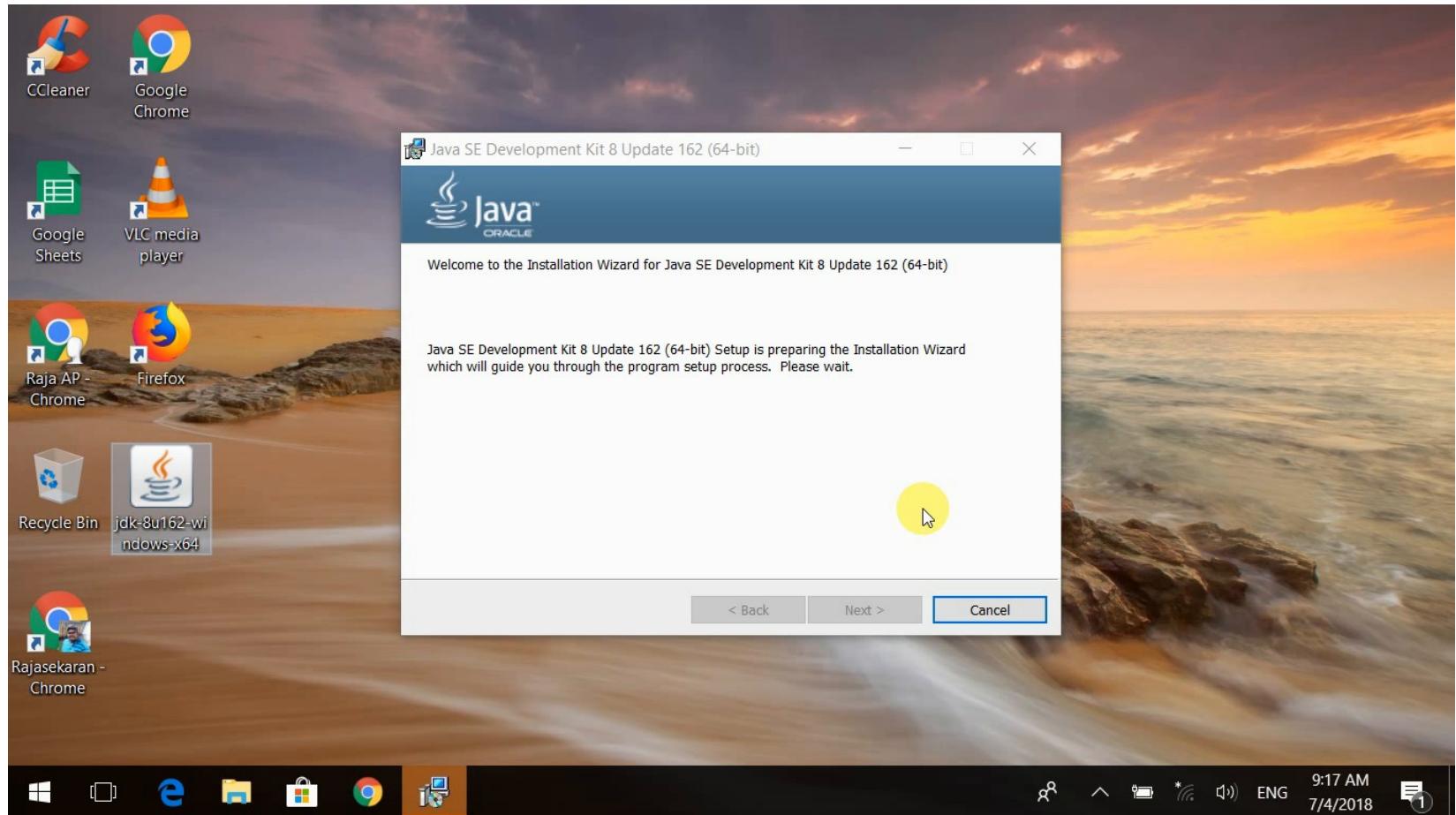
Accept License Agreement  Decline License Agreement

Product / File Description	File Size	Download
Linux	305.97 MB	<a href="#">jdk-10.0.1_linux-x64_bin.rpm</a>
Linux	338.41 MB	<a href="#">jdk-10.0.1_linux-x64_bin.tar.gz</a>
macOS	395.46 MB	<a href="#">jdk-10.0.1_osx-x64_bin.dmg</a>
Solaris SPARC	206.63 MB	<a href="#">jdk-10.0.1_solaris-sparcv9_bin.tar.gz</a>
Windows	390.19 MB	<a href="#">jdk-10.0.1_windows-x64_bin.exe</a>

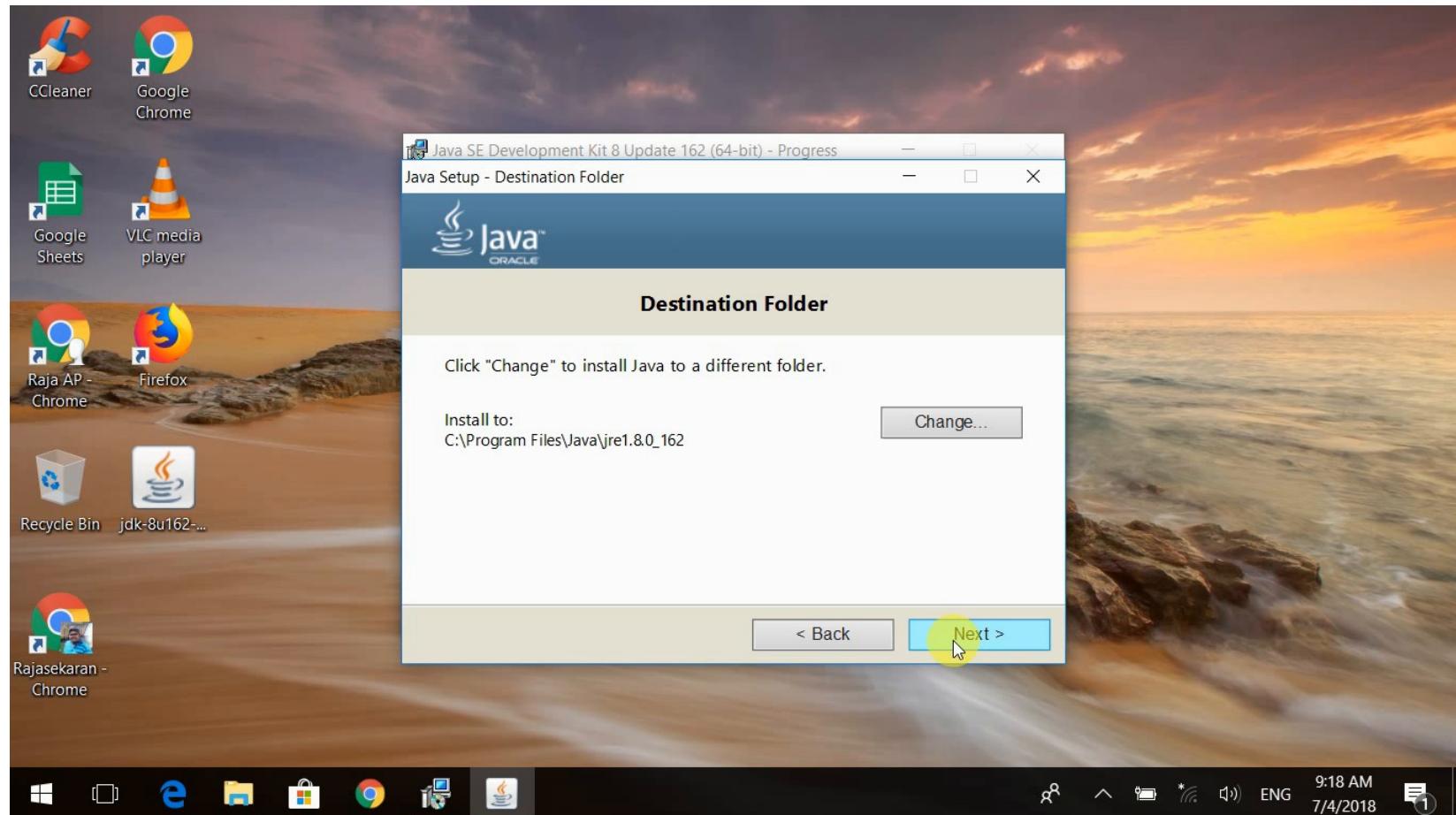
# Checking for Java



# Installing Java



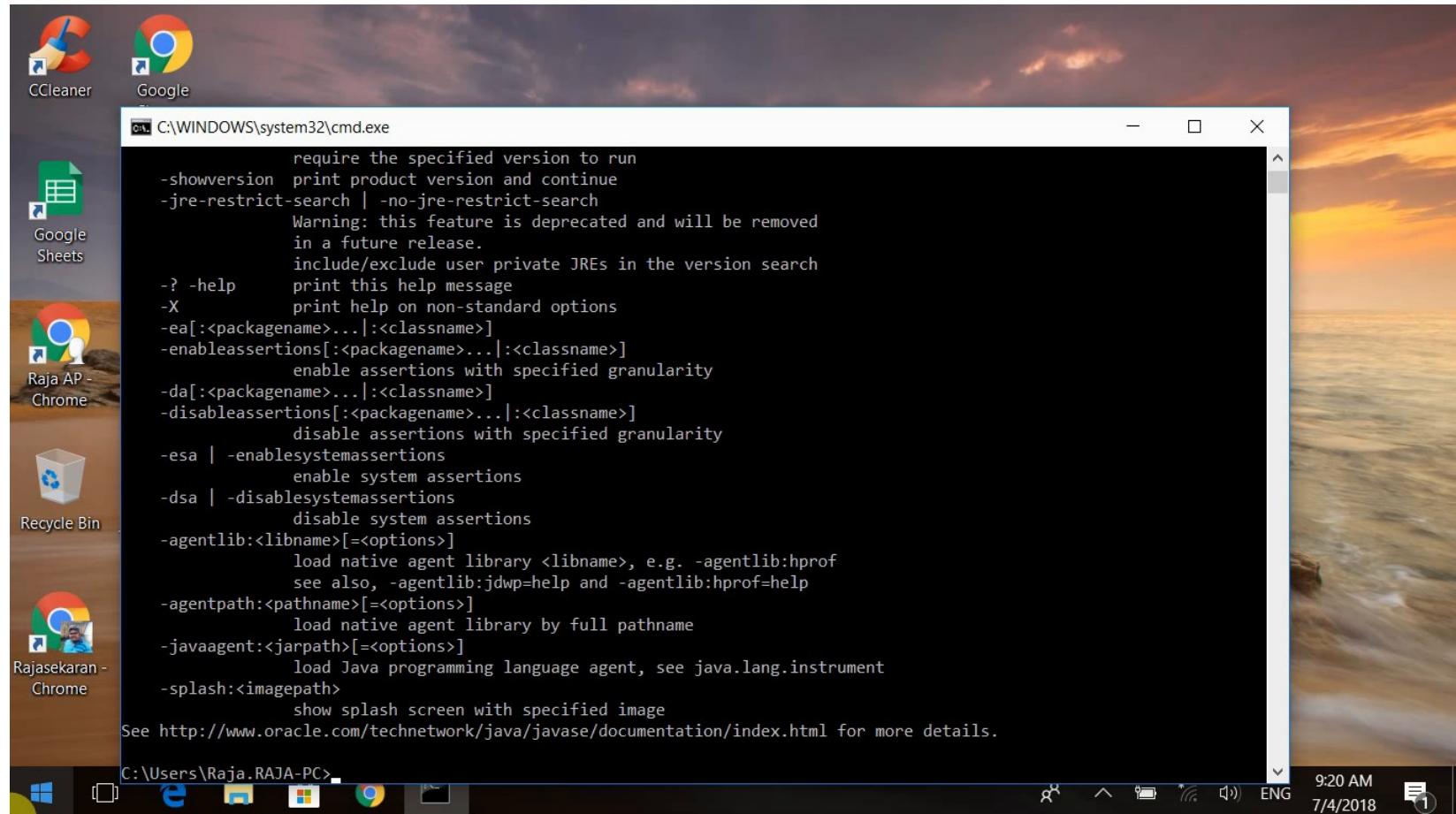
# JRE Instalation



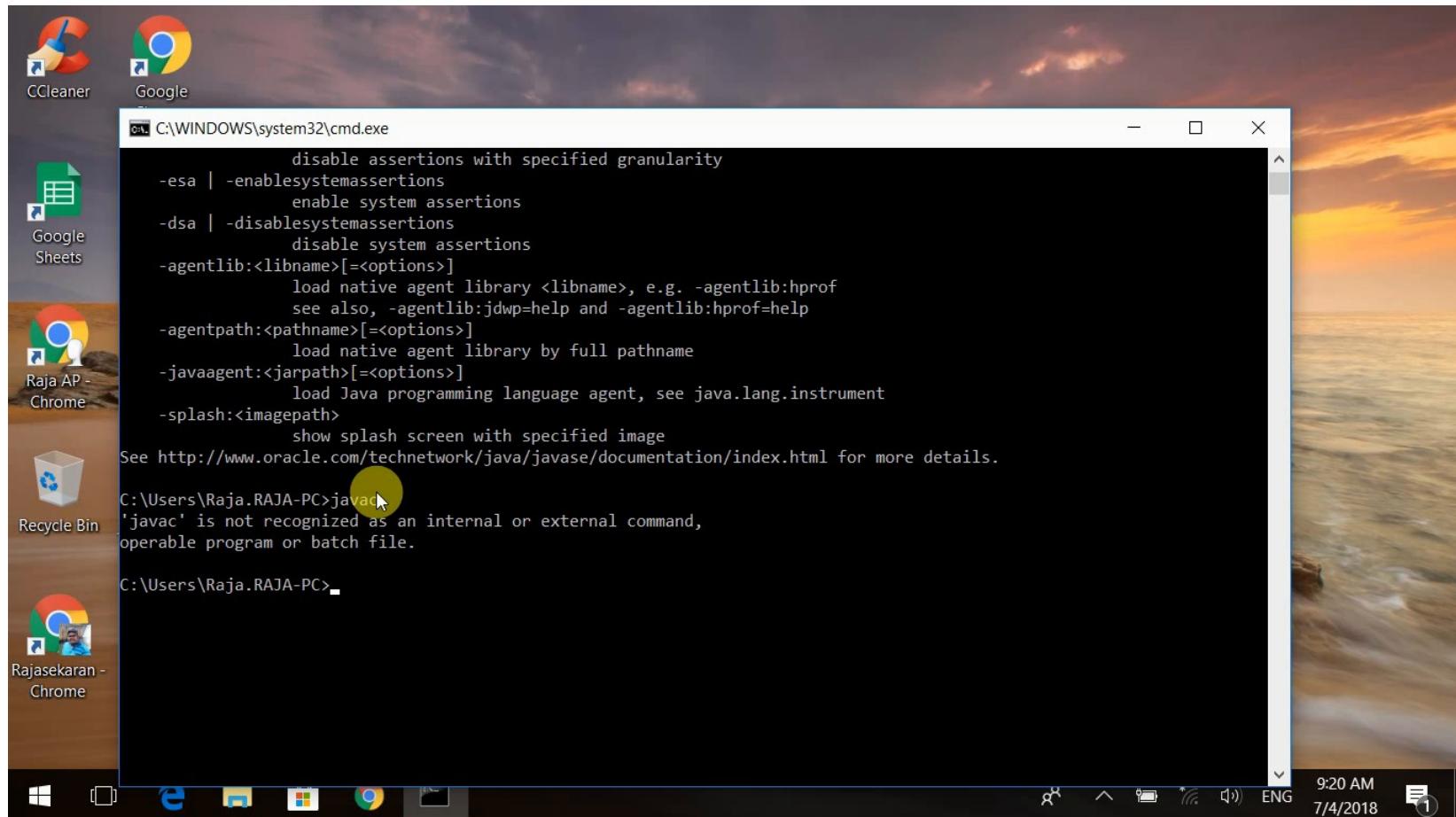
# Installing



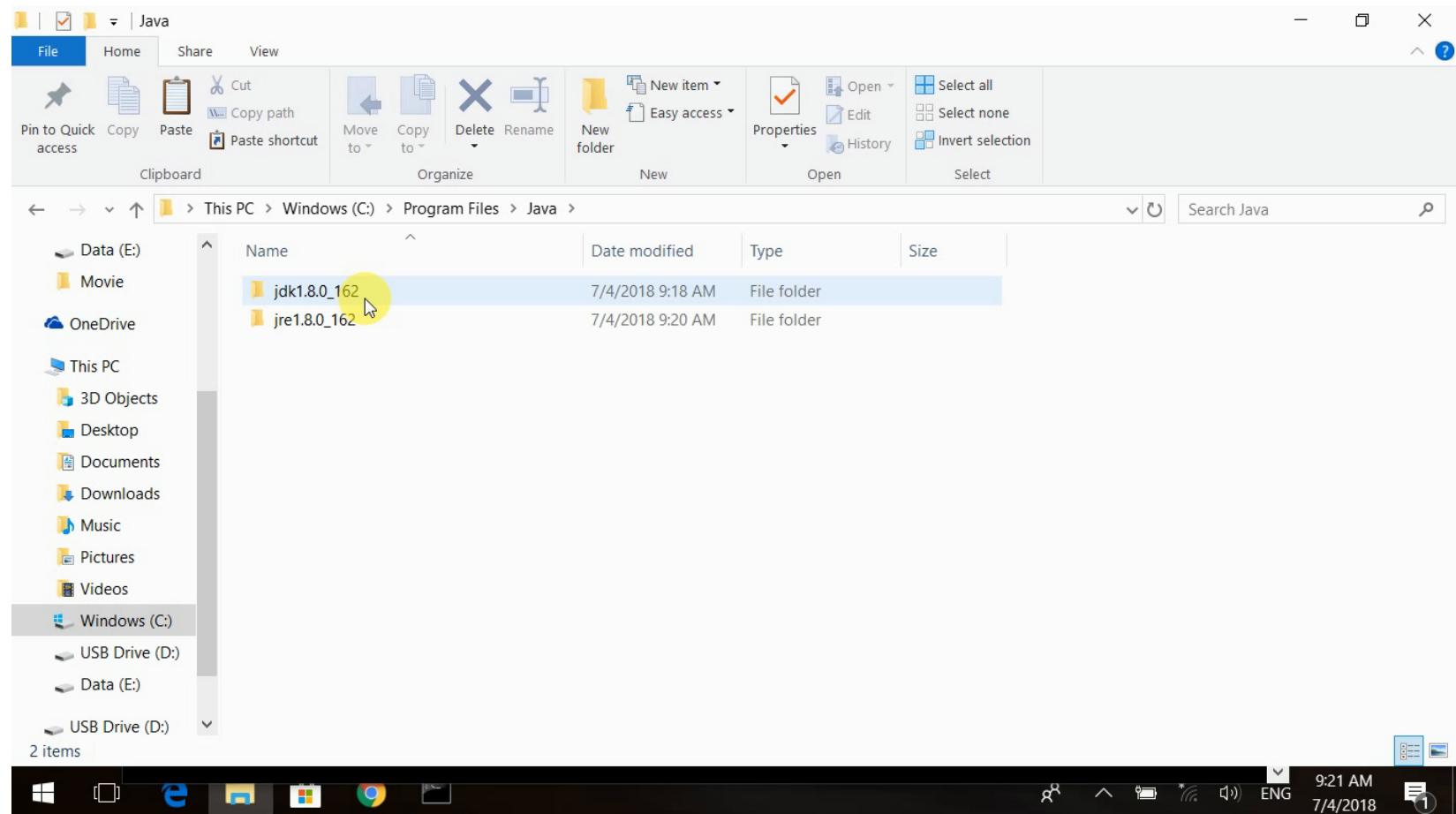
# Java command working



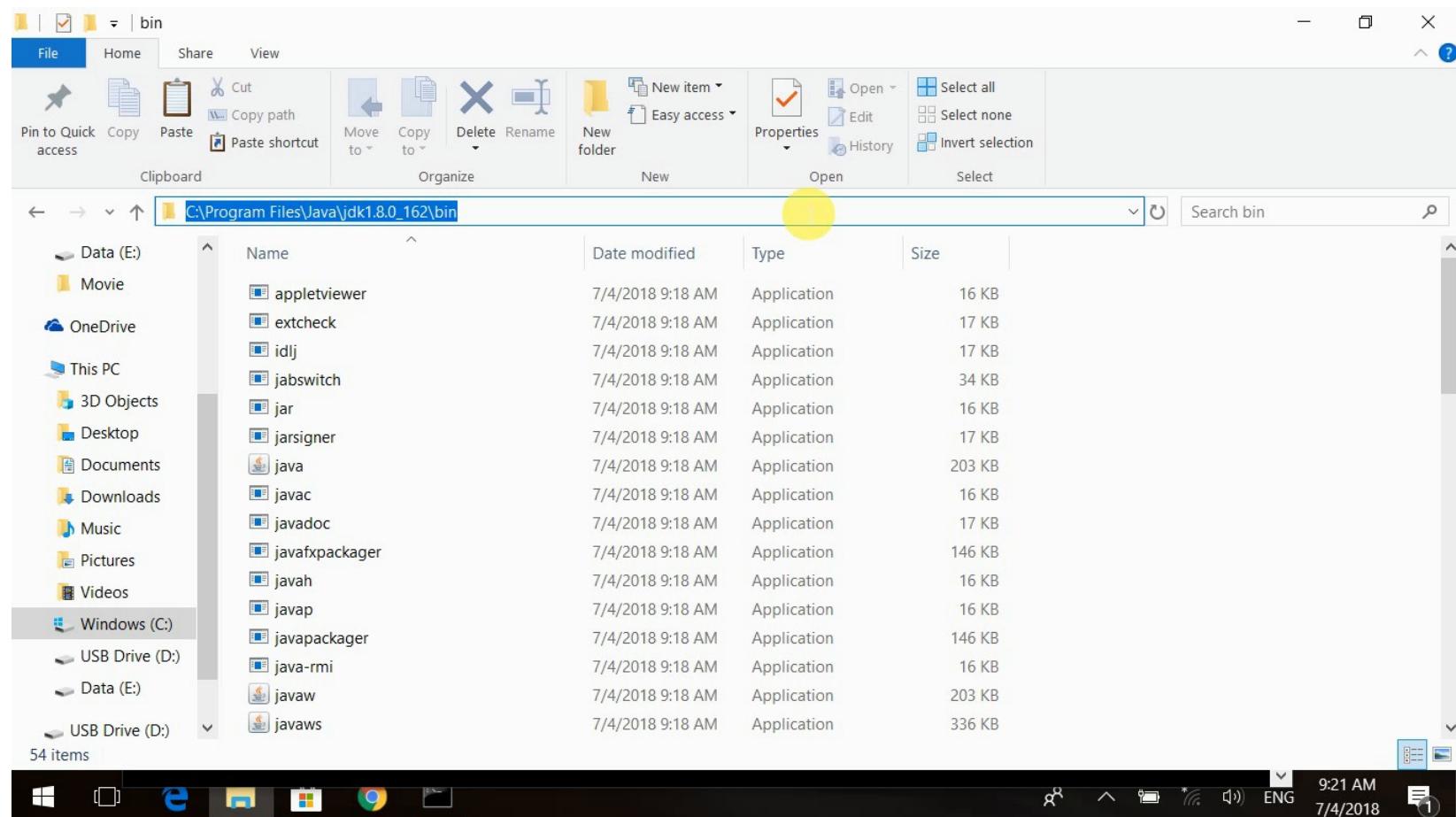
# Javac not yet working



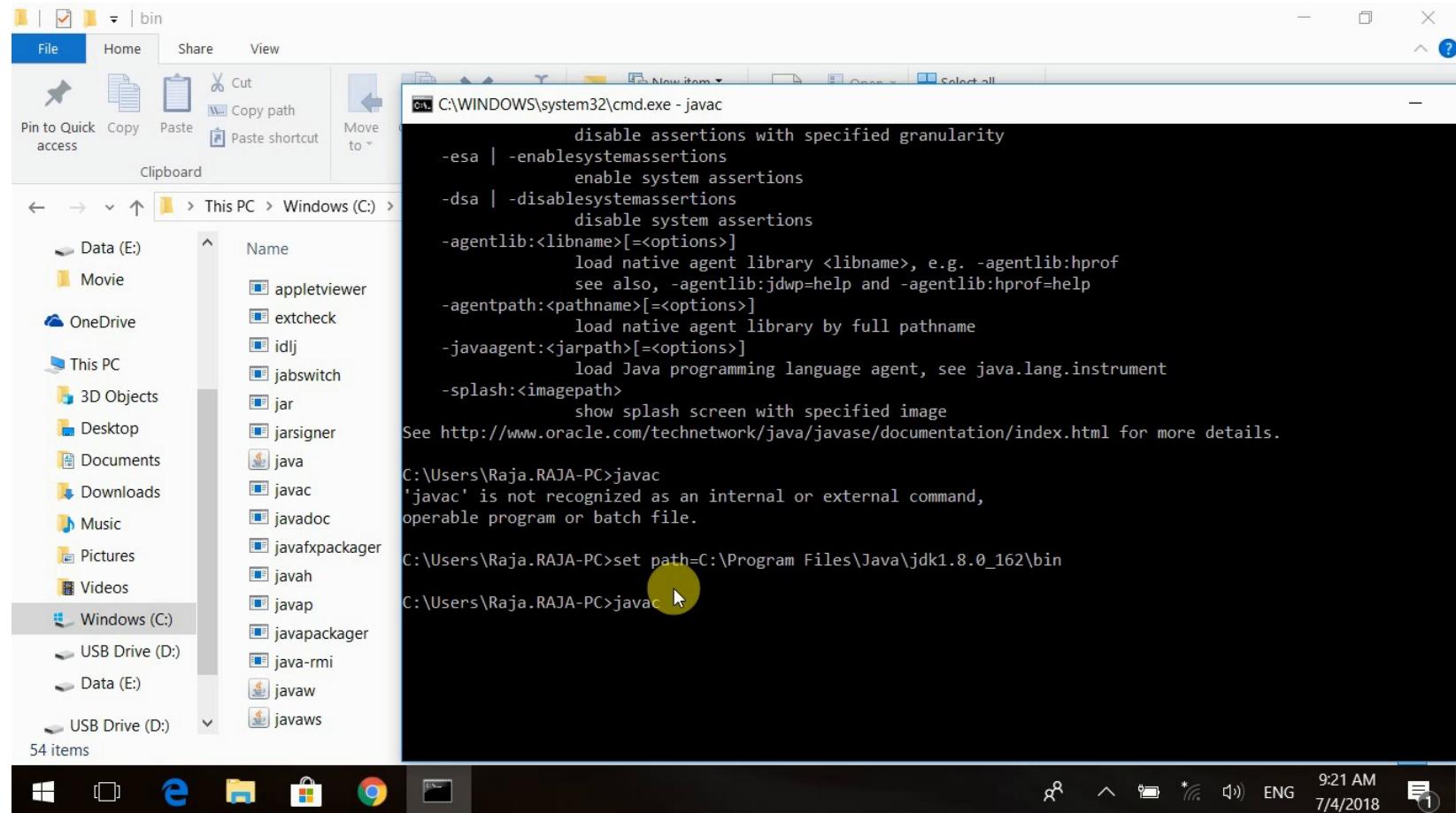
# Jdk found but why javac not working



# Copy Path

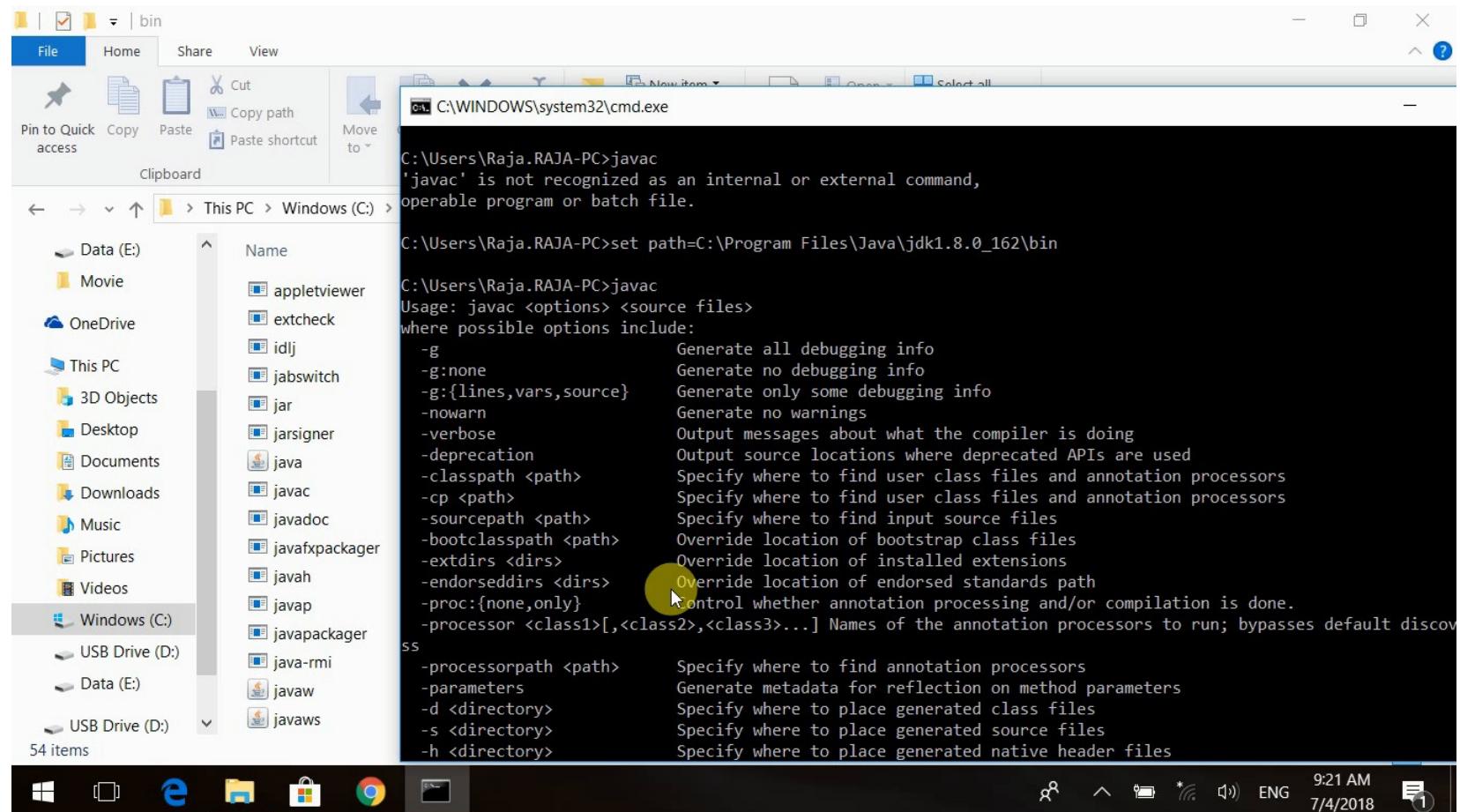


# Do *set path =“jdkpath”*



```
set path="C:\Program Files\Java\jdk1.8_162\bin"
```

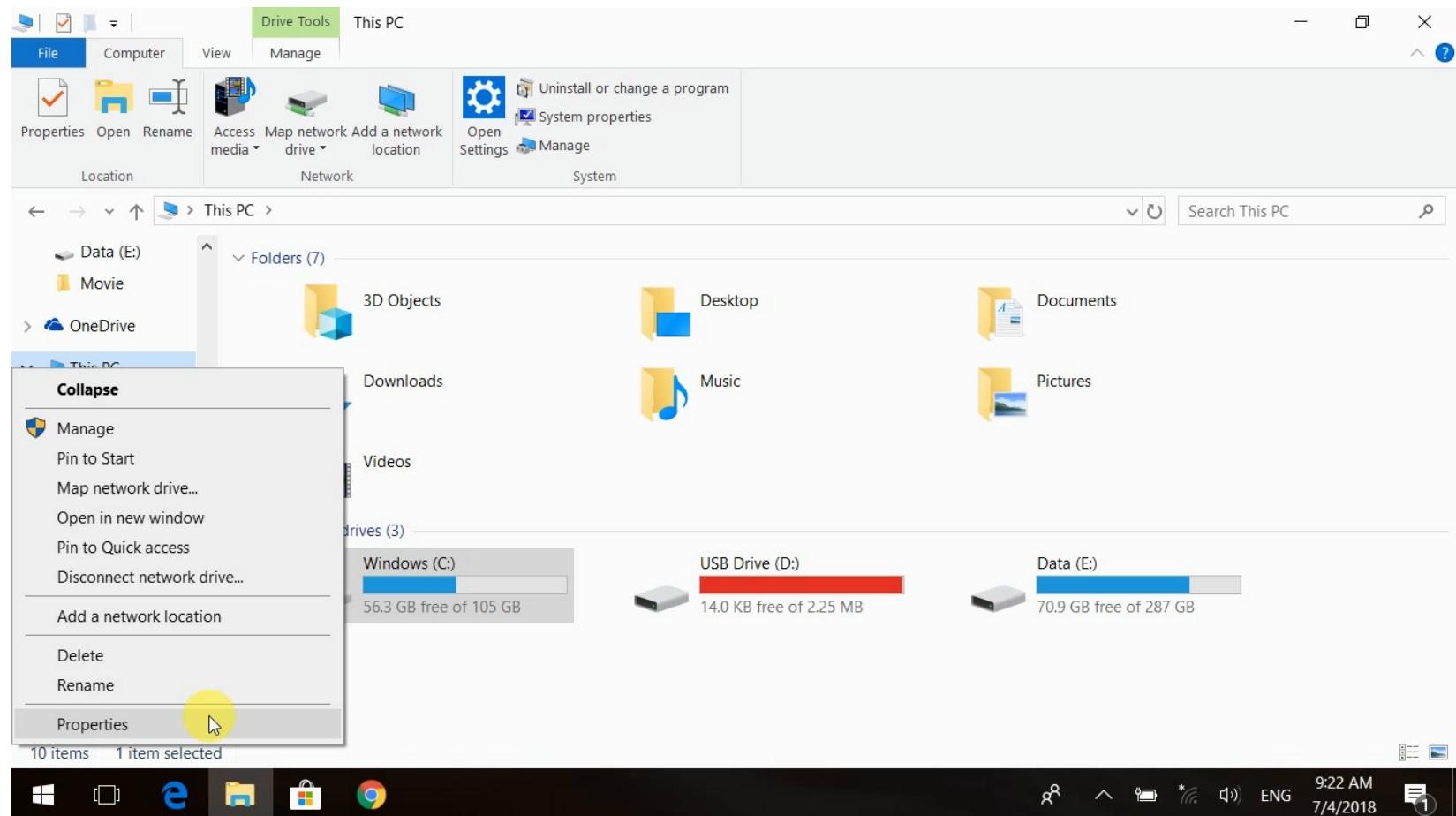
# Now javac working



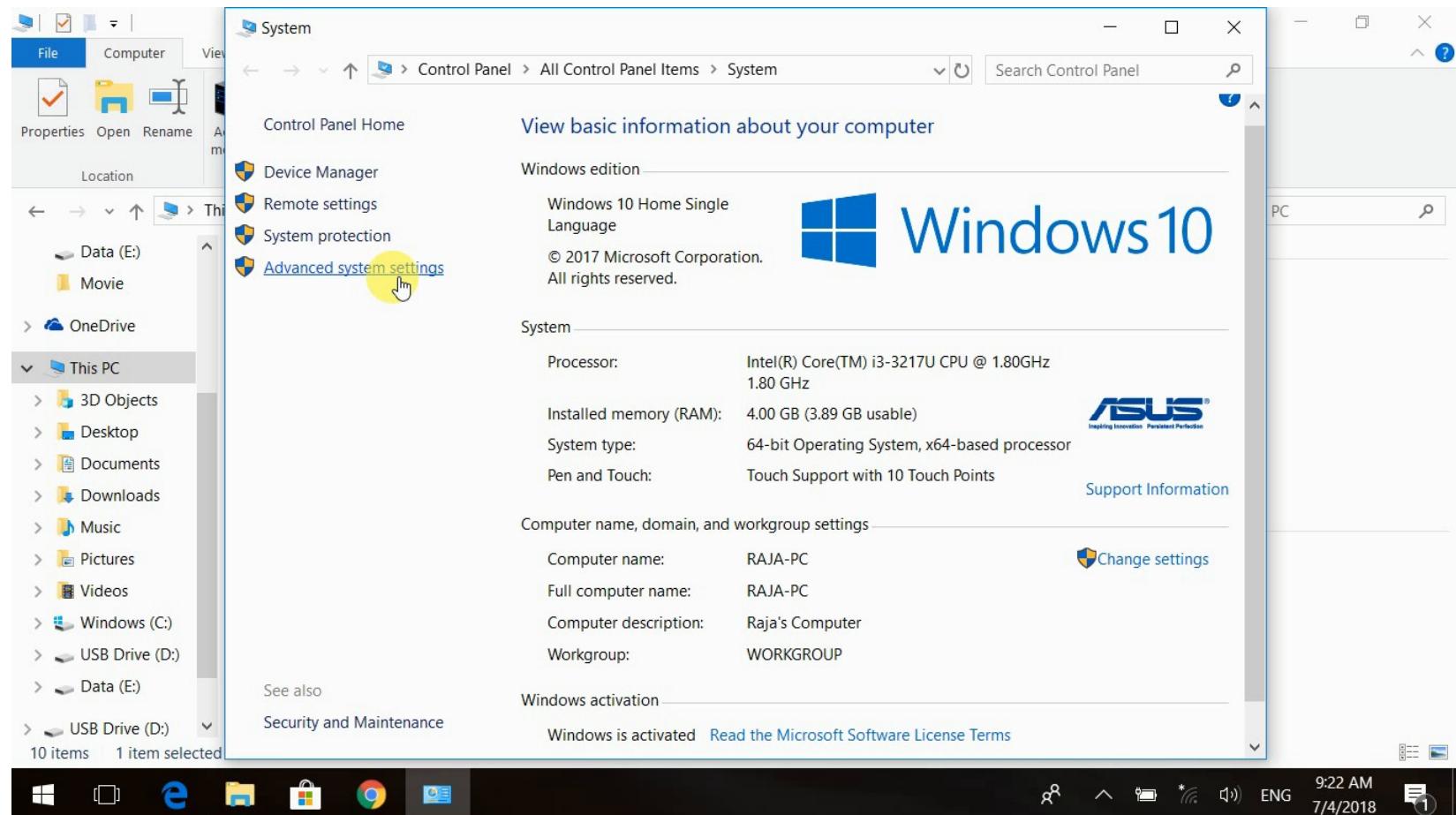
# Limitations

- You have to set a path every time cmd promt lanches.
- This not confortable when you do rapid coding.
- Let advise cmd promt to take care of javac commands.
- *For the we need to set enviroment variable java.*

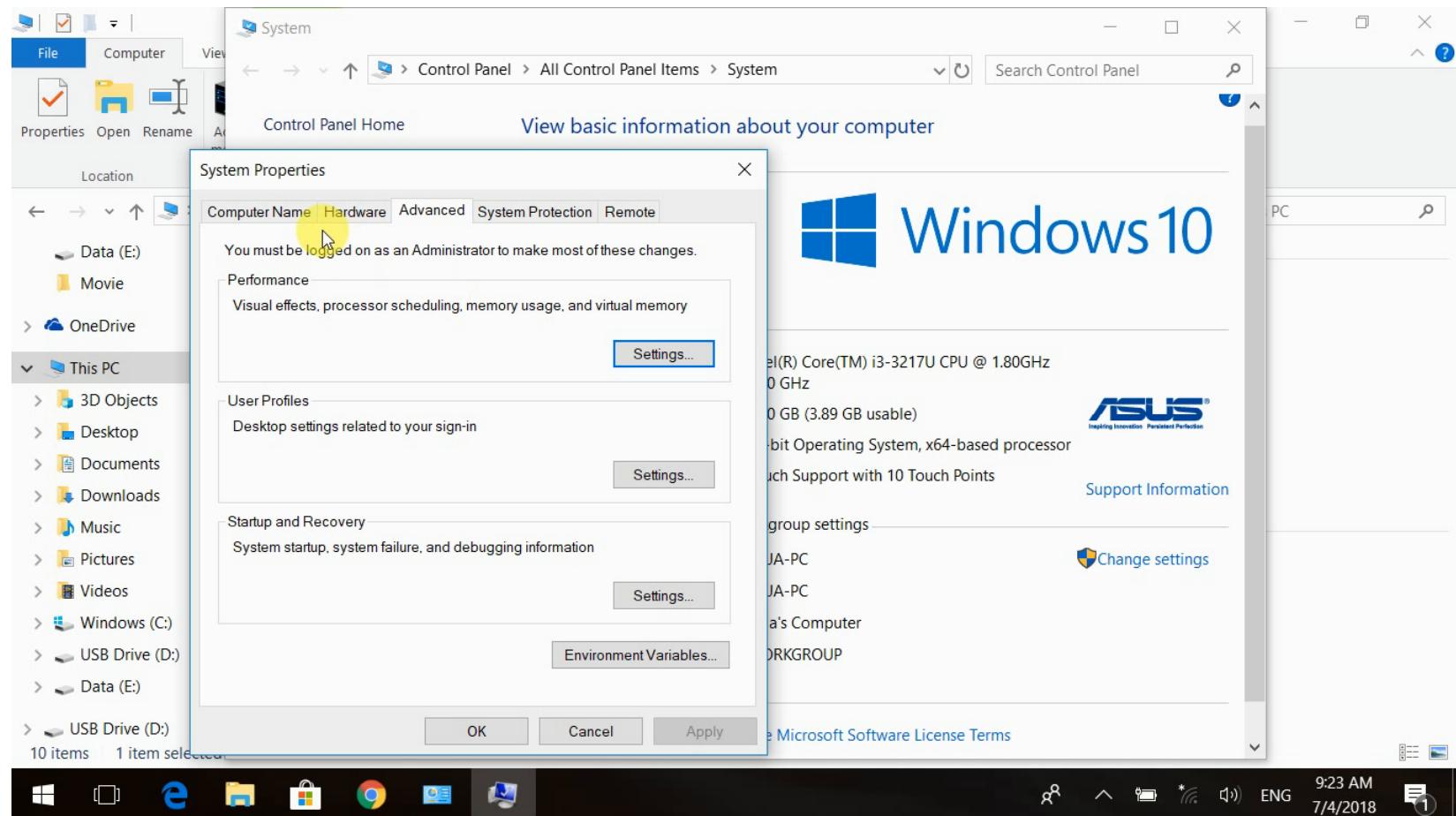
# System Properties



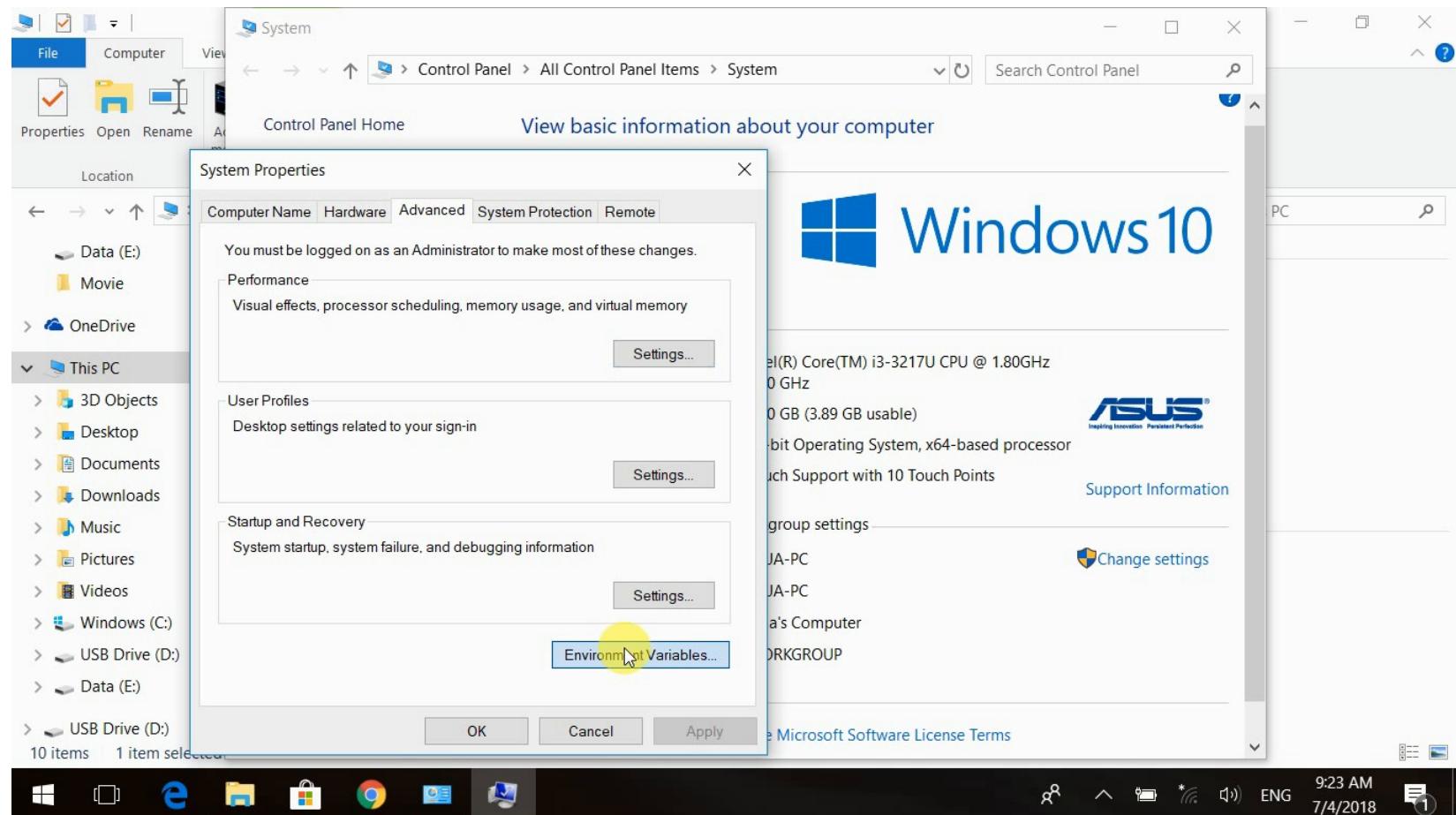
# Advanced Settings



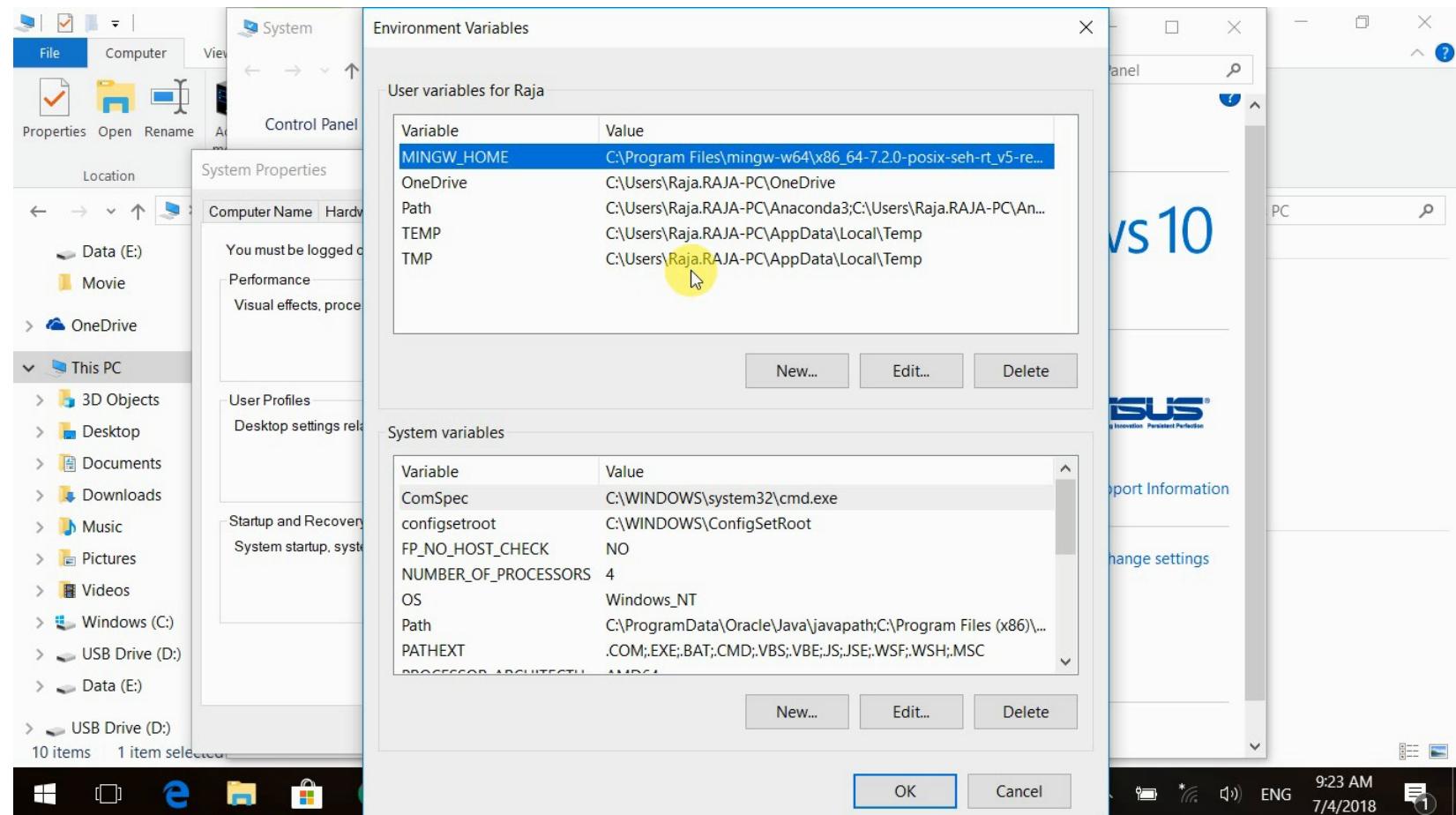
# Advanced Tab



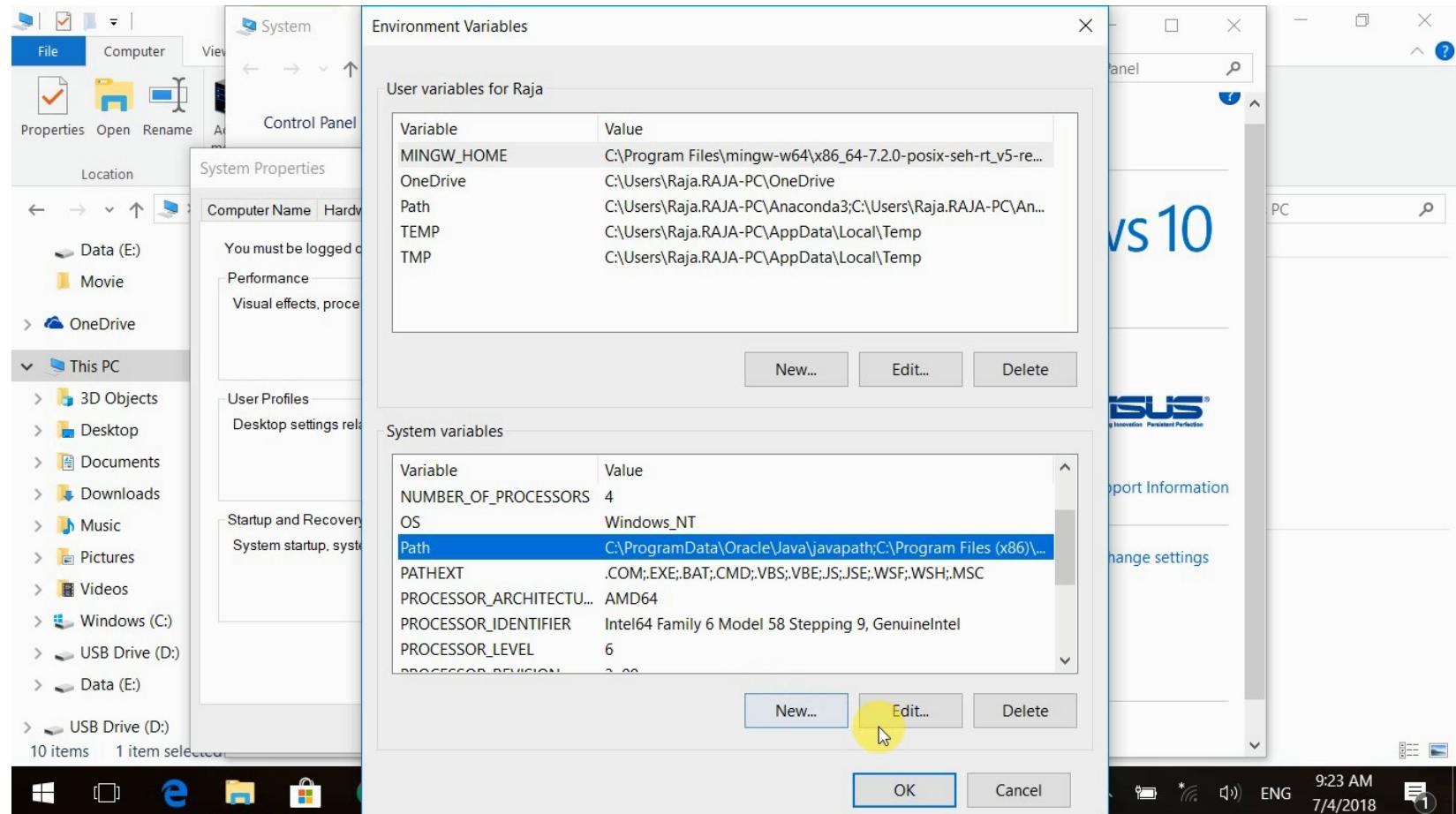
# Click Environment Variables



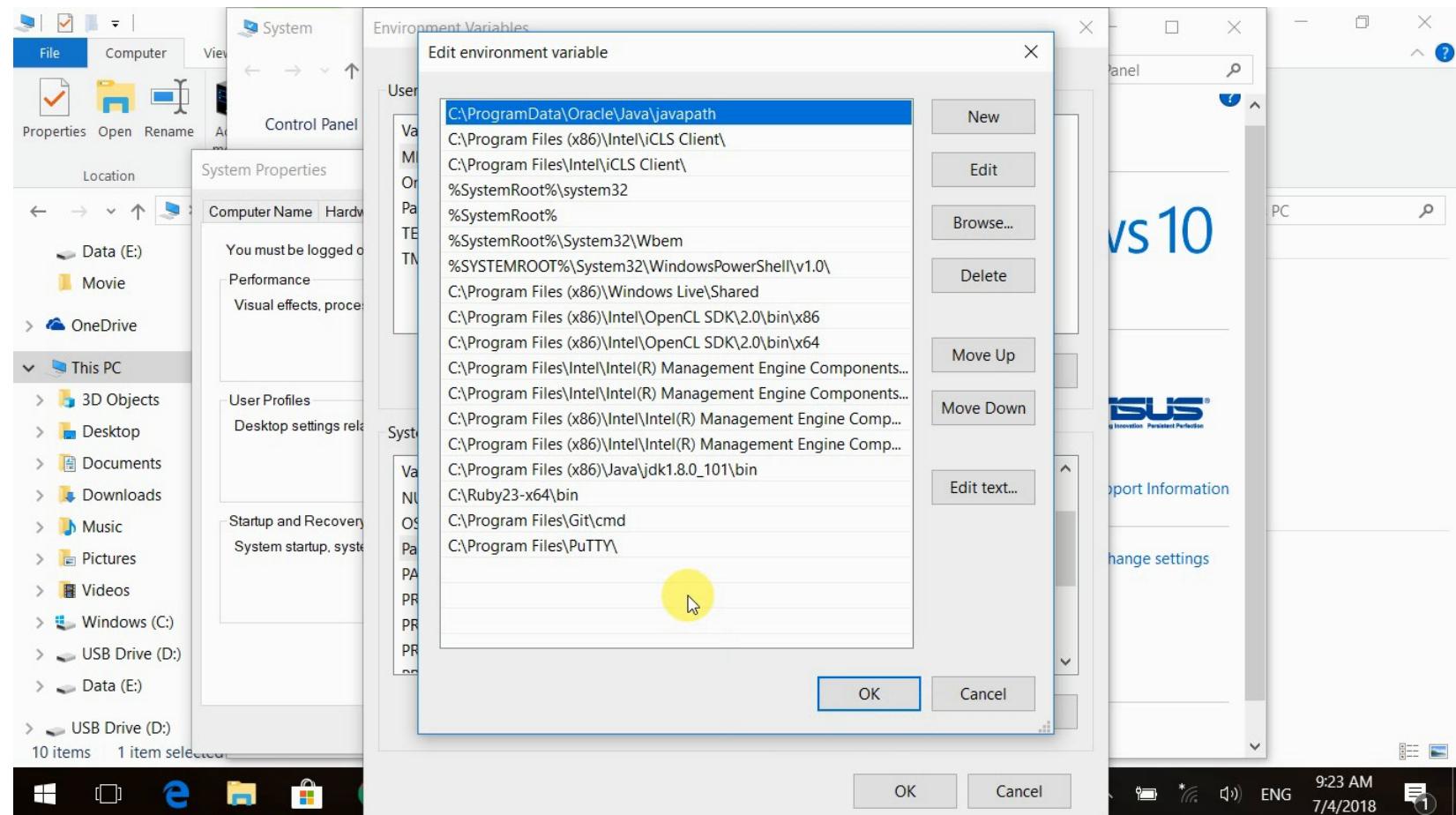
# Find Path Variable



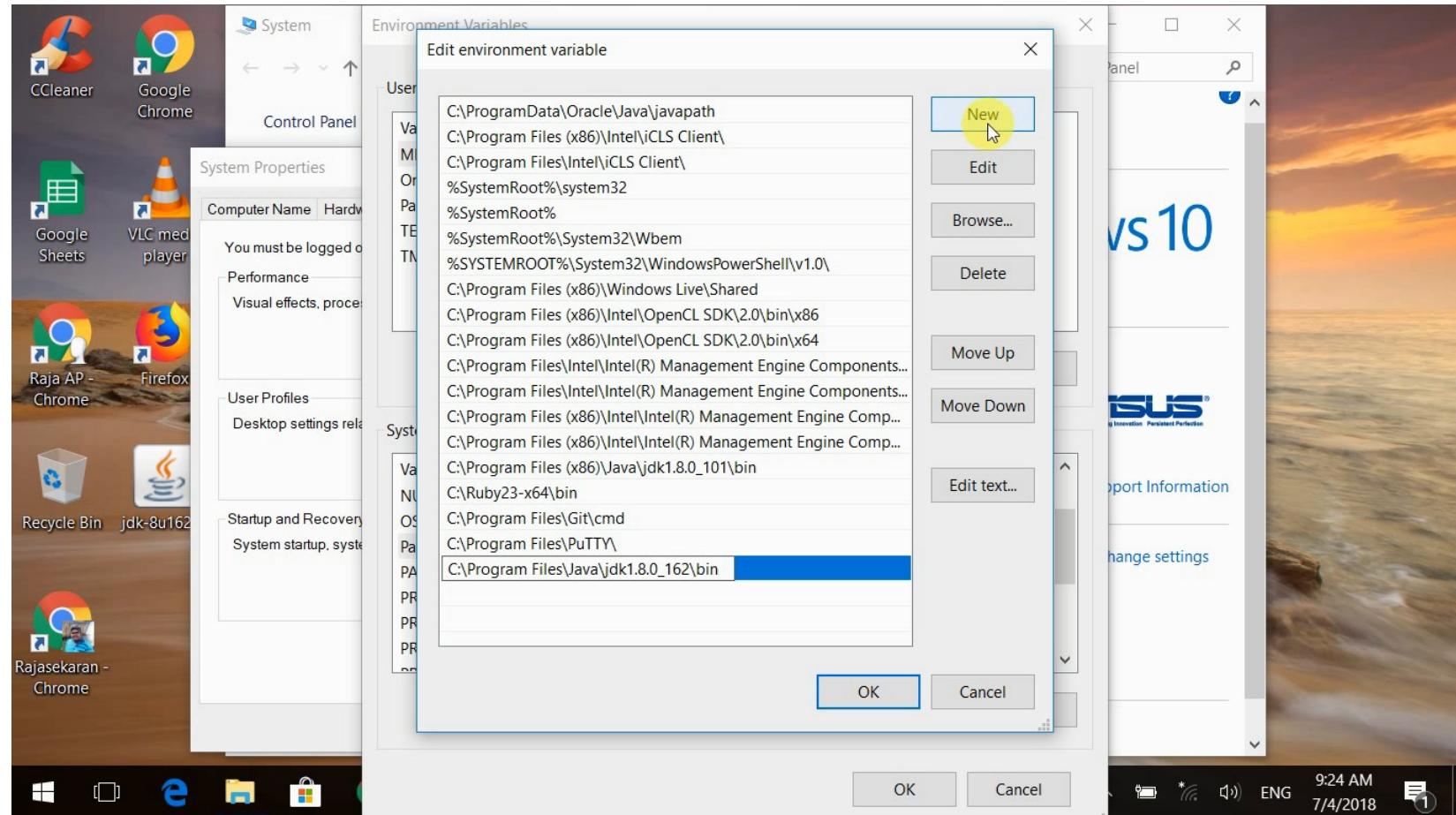
# Path Found in System Variables



# Let us understand this

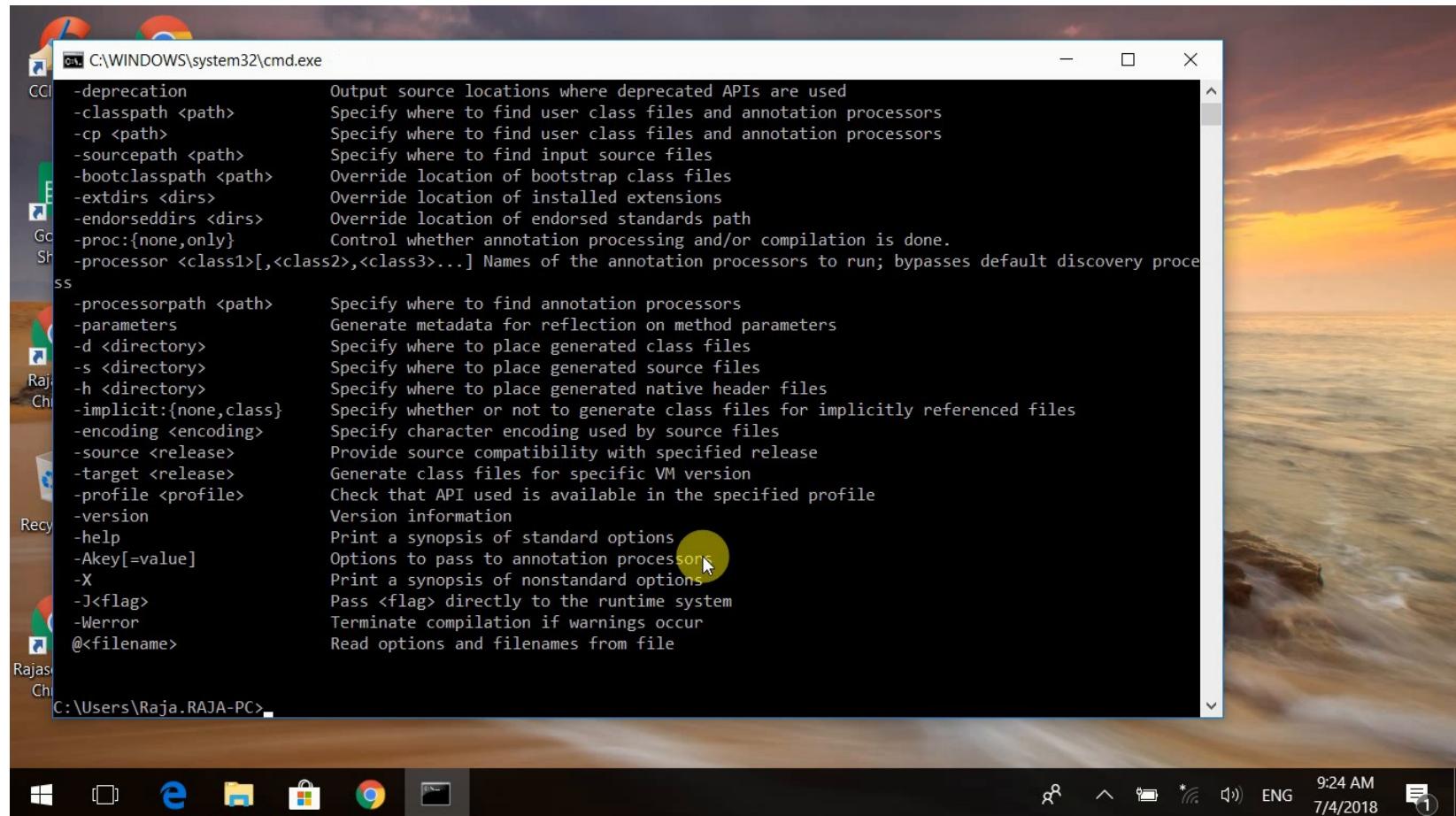


# Adding Javapath to Path variable



C:\Program Files\Java\jdk1.8.0\_162\bin

# Now javac working



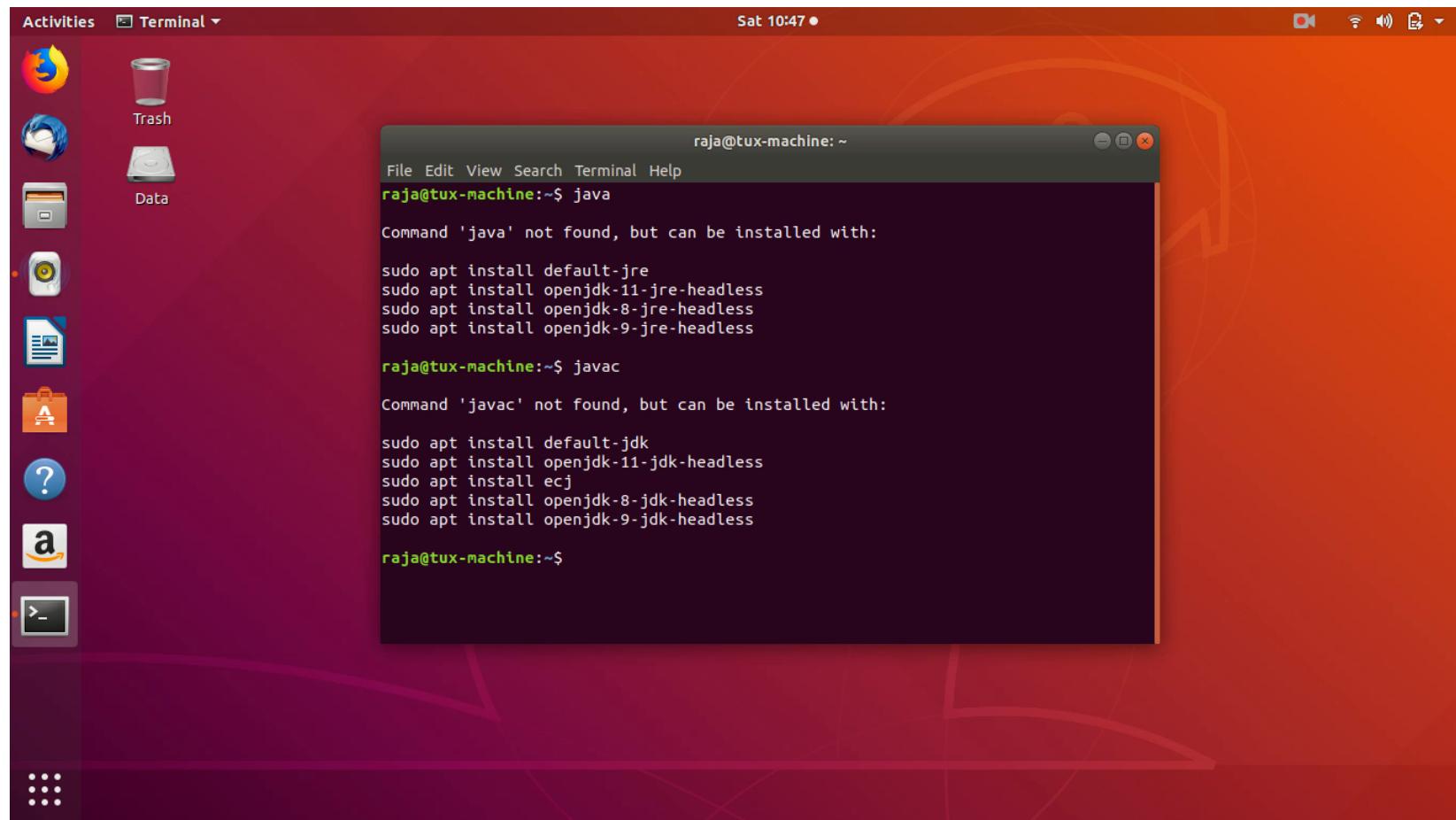
No need to do set  
path anymore

Your Java Environment up  
and ready for  
development

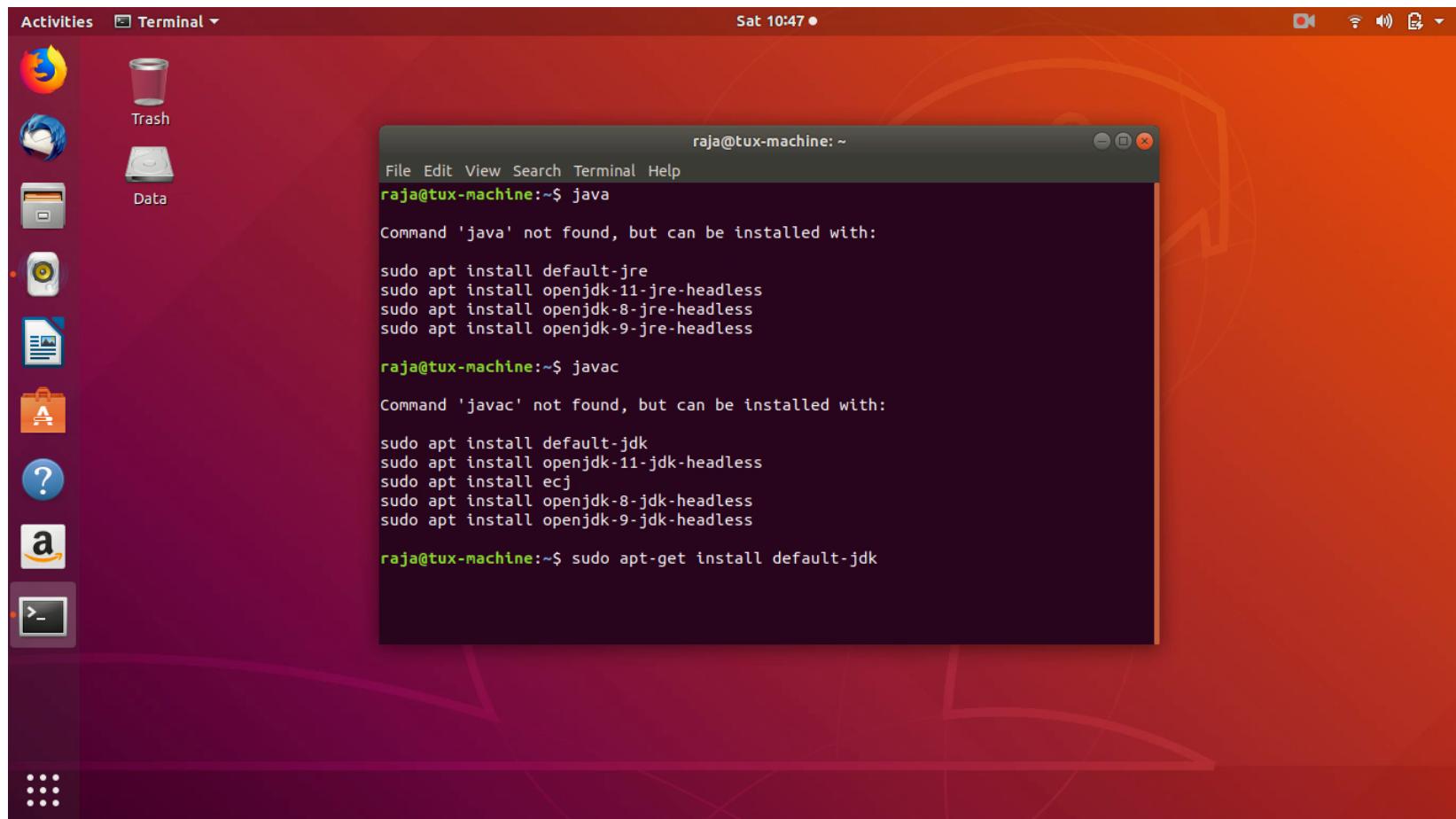
# Java Environment

Setting up Java Environment for Development  
in  
Linux OS

# Checking for Java and Javac

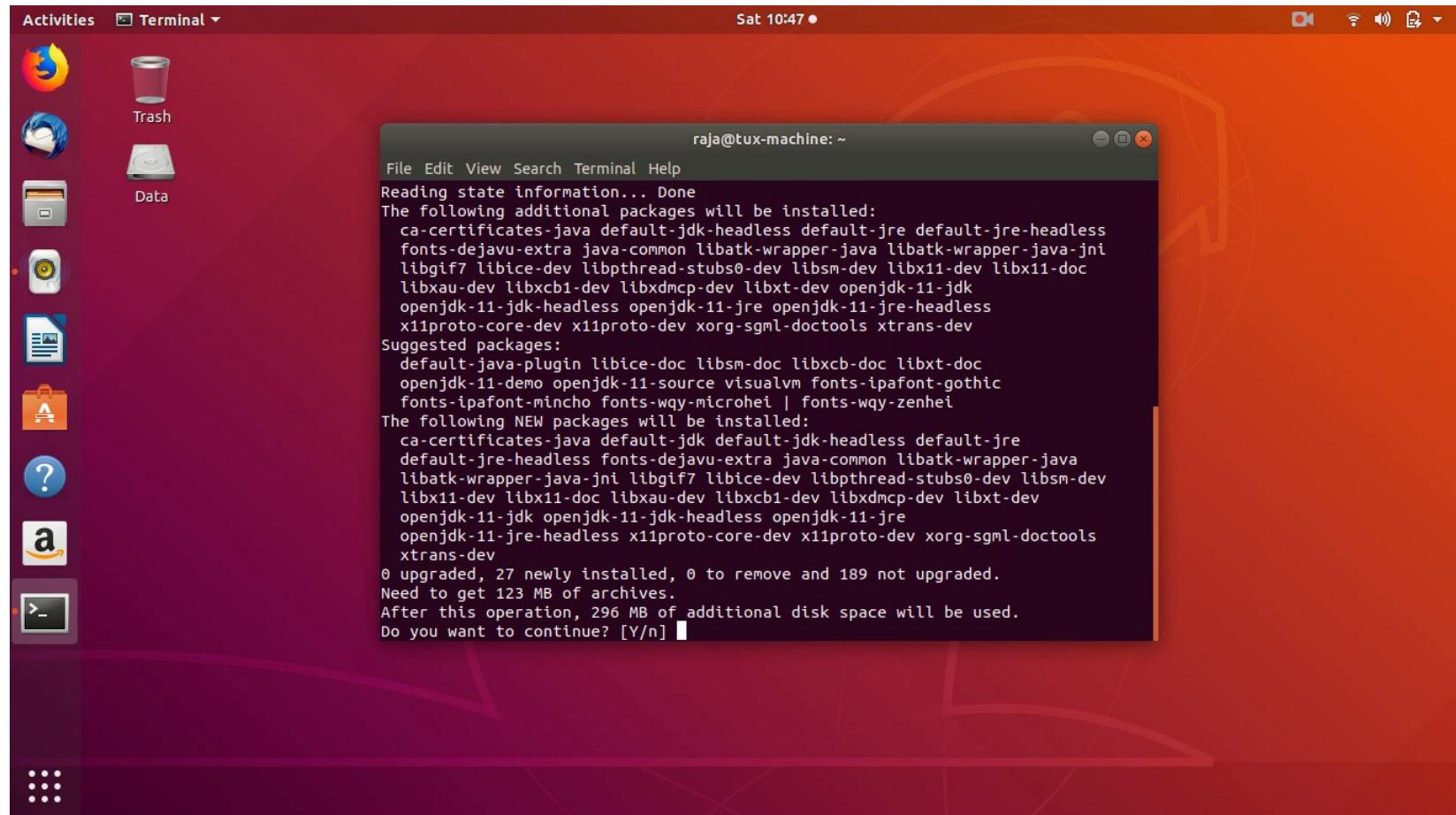


# Running APT-GET



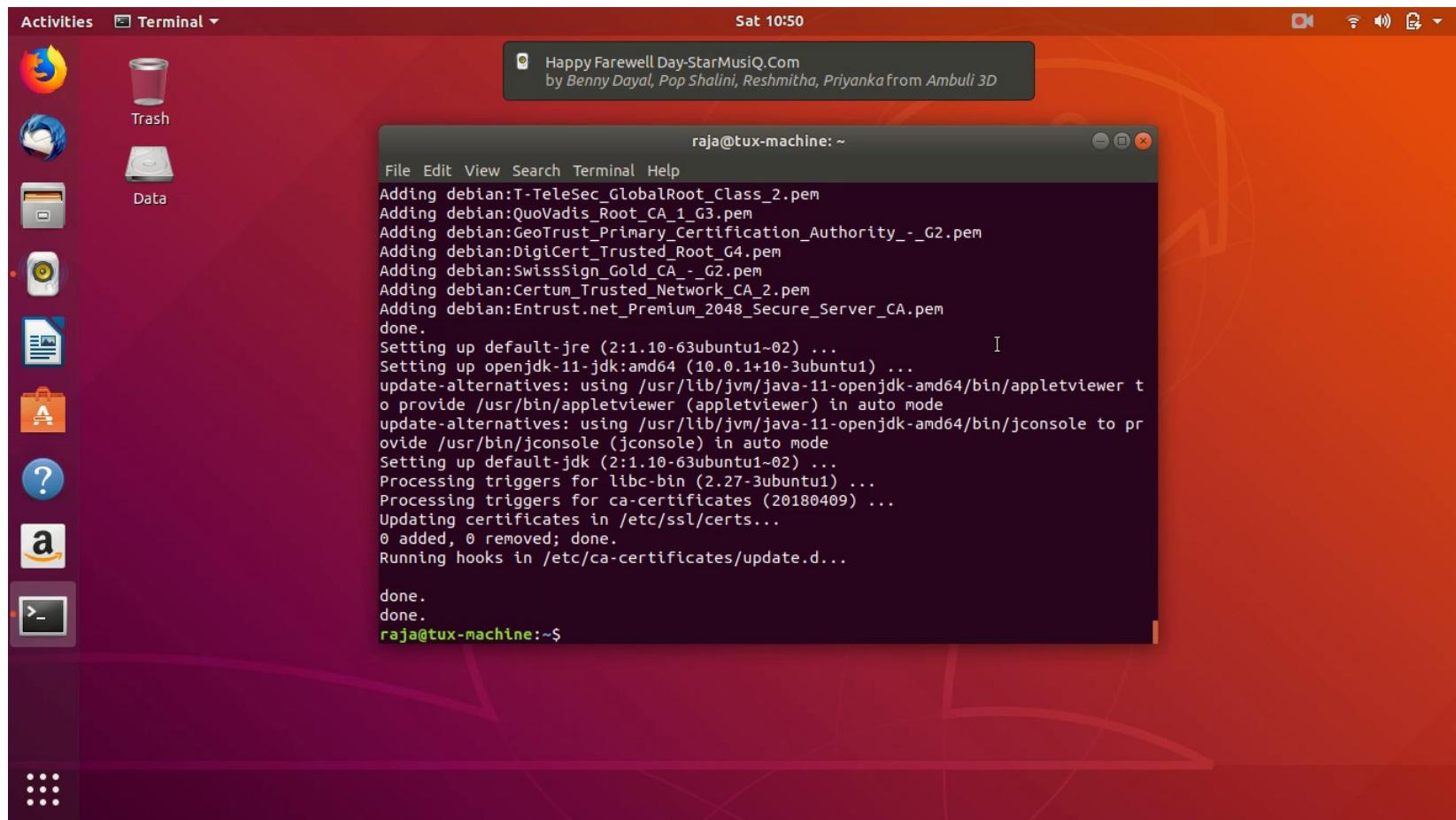
```
sudo apt-get install default-jdk
```

# Dependancies and Permission to Install

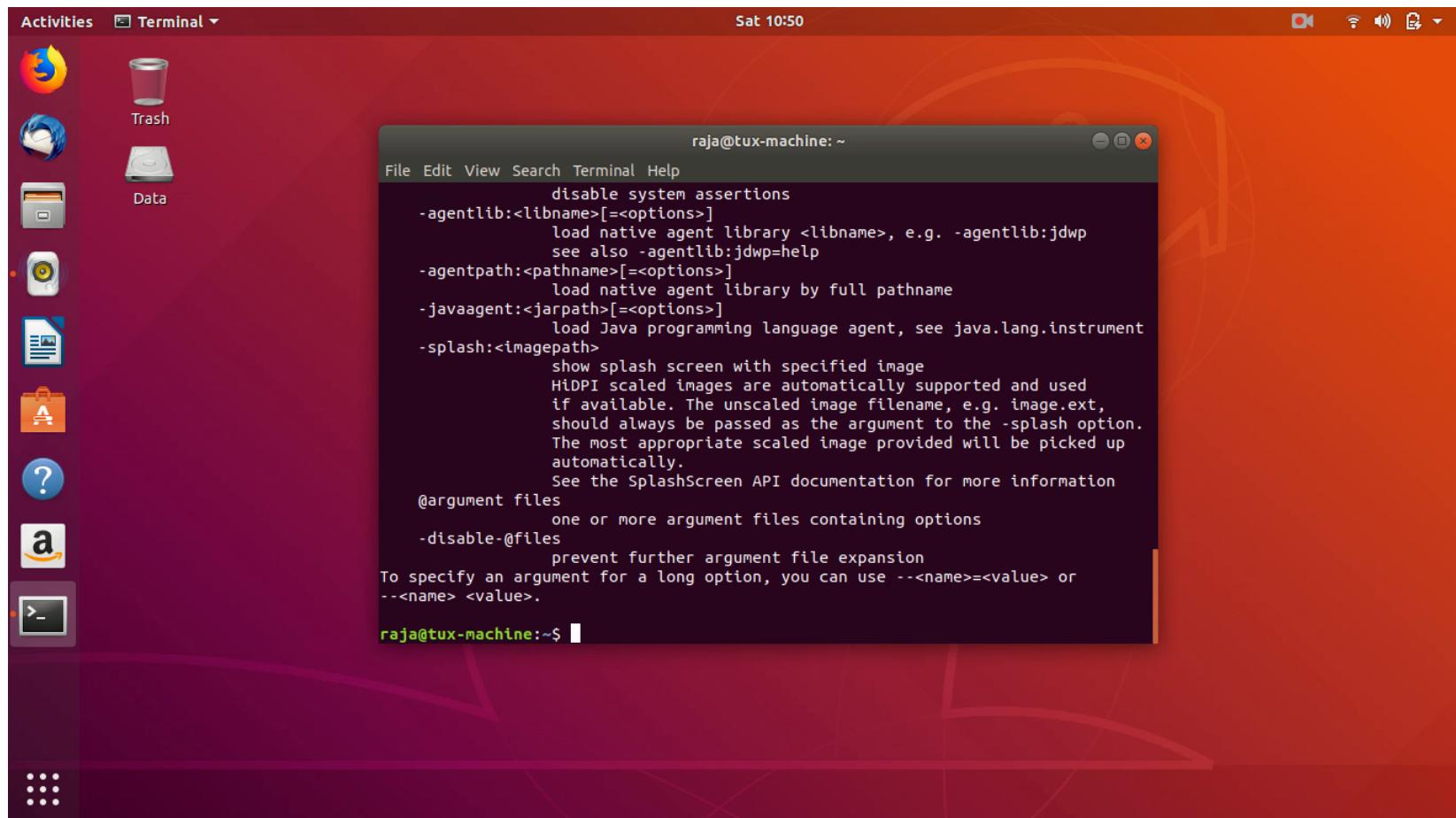


**Give Yes = Y + Enter**

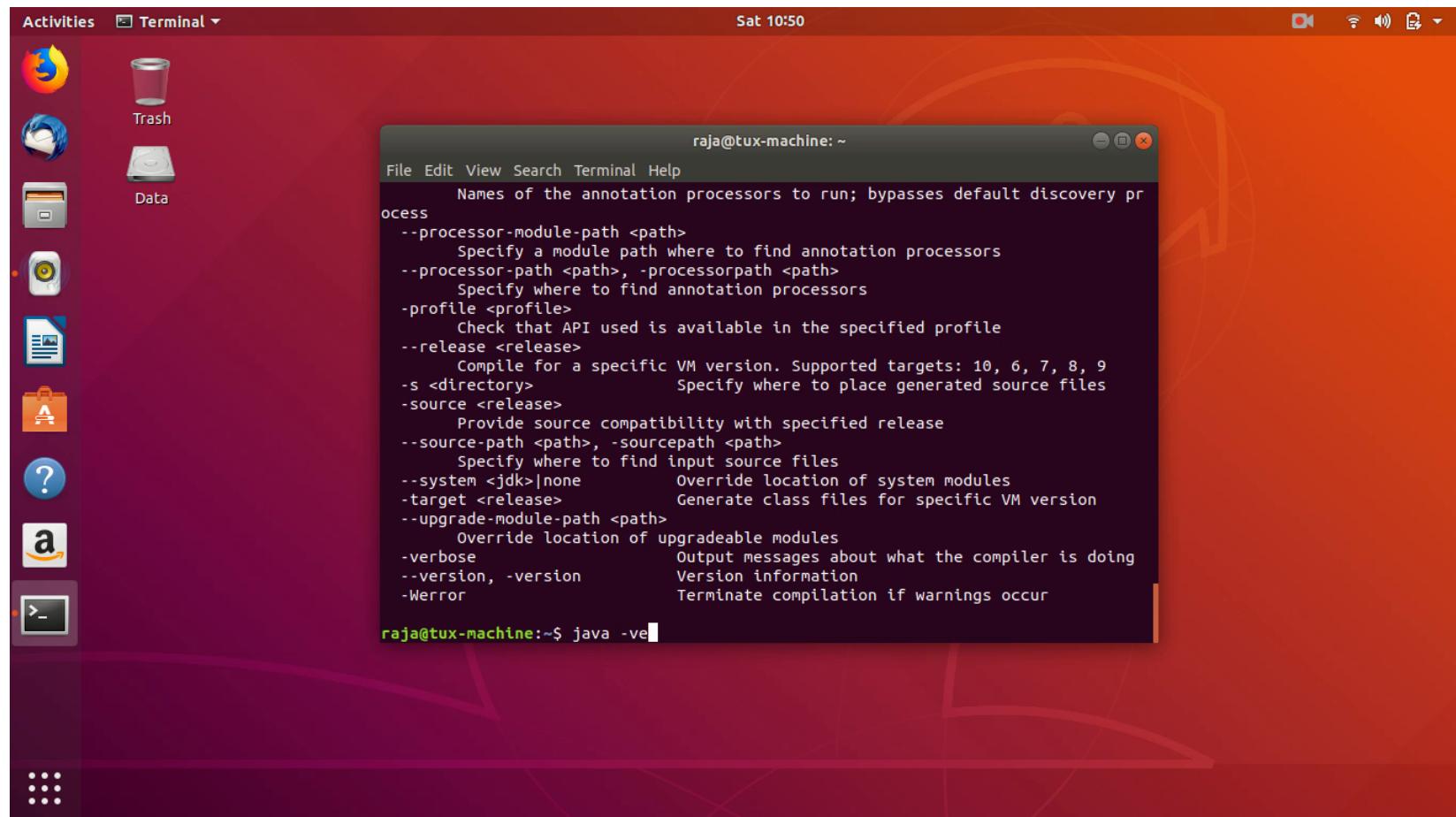
# Installation Done



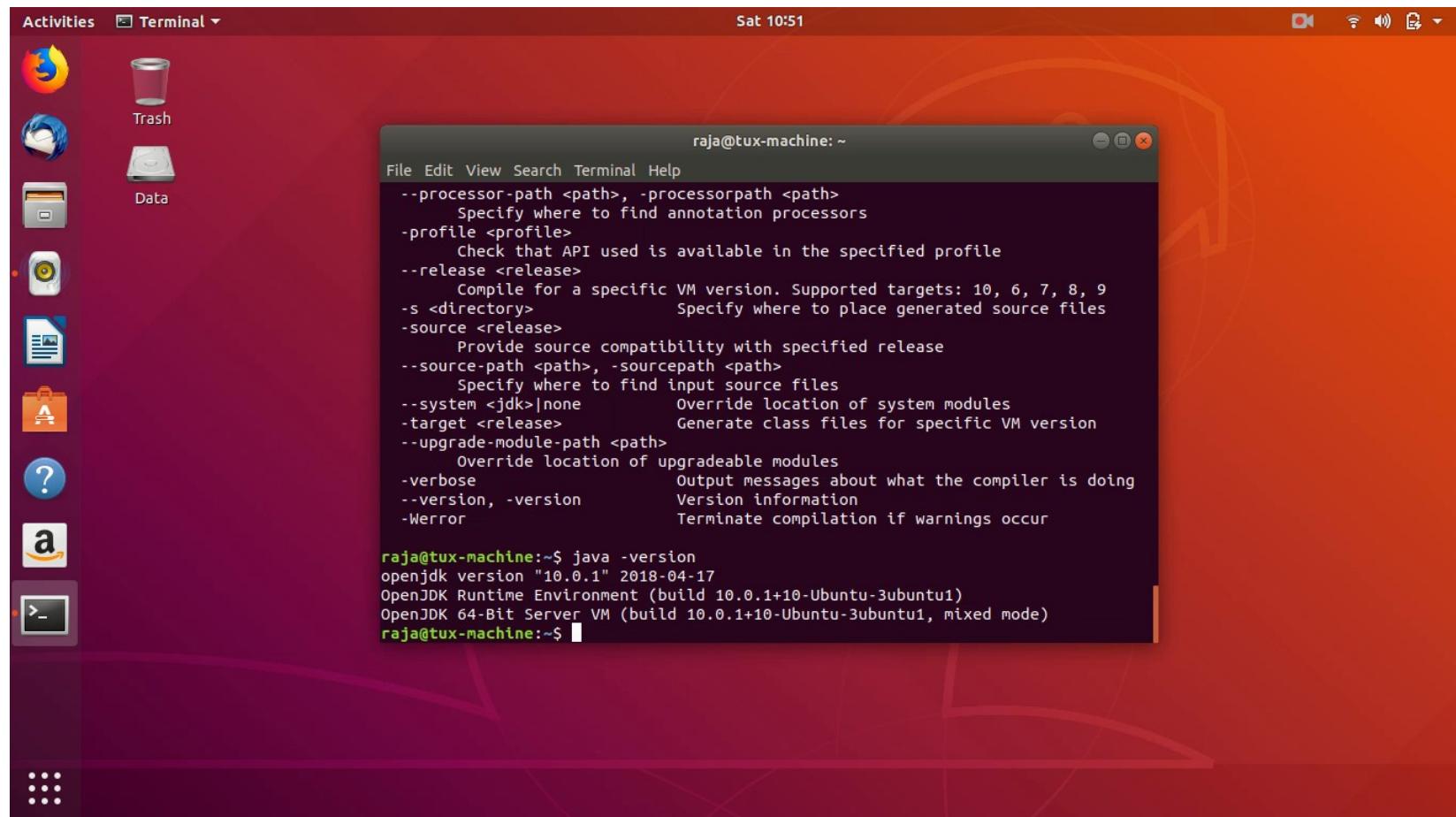
# Checking for Java



# Checking for Javac



# Checking for Java Version



We have Done !!!

# Live Demo

*Window OS*

<https://youtu.be/5FhWHTRtP8Q>

*Linux OS*

[https://youtu.be/XxQ\\_A-XSM\\_o](https://youtu.be/XxQ_A-XSM_o)

# Thank You !!!

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