## **Requirements of selenium**

- Java Setup
- Selenium setup
- Selenim standalone server
- Other Jar files
- Driver exe
  - fireFoxDriver geckoDriver.exe
  - ChromeDriver -ChromeDriver.exe
  - IEDriver IEDriver.exe

### 1. Java setup

- Java JRE
- JDK
- Eclipse IDE

#### **STEP 1:**- Download Complete jar <u>https://drive.google.com/open?id=1uS5vaWupoa8DicnhcEP6QT8smp77Y5ou</u>

#### STEP 2:- Search this jar file in Download folder



STEP 3:- Open complete jar file by double-clicking it

Add Extract To	Test Vier	Delete	Find V	Vizard Info Viru	sScan Comment SFX
🚹 🛛 🗎 Complete ja	r file.zip - ZIP	archive, unpa	cked size 390,34	48,045 bytes	
lame 🕹	Size	Packed	Туре	Modified	CRC32
L			Folder		

**STEP 4:**- Right-click on Complete jar file folder and select an option extract without confirmation.

STEP 5:- Extracted file is present in the Downloads folder



STEP 6:- Open complete jar file

Name	Date modified	Туре	Size
퉬 Java	2/9/2019 8:18 AM	File folder	
Selenium	2/17/2019 10:39 AM	File folder	

lame	Date modified	Туре	Size
🕑 eclipse-inst-win64	2/8/2019 6:37 PM	Application	49,911 KB
ዿ jdk-8u201-windows-x64	2/8/2019 6:35 PM	Application	212,442 KB
🔩 jre-8u201-windows-x64	2/8/2019 6:30 PM	Application	73,152 KB

STEP 8:- Double click jre-8u201-windows-x64 and install by selecting next-next .

**STEP 9:**- Download and install jdk-8u201-window-x64 by double click and following steps.

**STEP 10** :- Set environment variable before installing eclipse

**STEP 11:** Go to search bar of your operating system(Eclipse) -> type "environment variable" -> select edit environment variables of your account

STEP 12:- It will open a new window like-

	value	-
M2_HOME	C:\apache-maven-3.5.4	E
MAVEN_HOME Path	C:\apache-maven-3.5.4 ;C:\Program Files\Microsoft VS Code\bin	
TEMP	%USERPROFILE%\AppData\Local\Temp	-
	New Edit Delete	
stem variables		
Variable	Value	-
ComSpec	C:\Windows\system32\cmd.exe	
FP_NO_HOST_C	NO	
	4	
NUMBER_OF_P		-
NUMBER_OF_P	Windows_NT	1.0.5
NUMBER_OF_P OS		

Path	C. (apachenna	iles Microsoft VS	Code\bin	
TEMP	%USERPROFI	LE%\AppData\Lo	cal\Temp	
	New	Edit	Delete	

**STEP 13:-** From this window ->click Path of user variables -> then click edit

STEP 14:- Click path + edit -> open a new window

dit User Variable	
Variable <u>n</u> ame:	Path
Variable <u>v</u> alue:	n;C:\Program Files\Java\jdk1.8.0_181\bin;
	OK Cancel

**STEP 15:** Go to Variable\_value -> click in the text box and put a semicolon in the end

n;c: progra	m Files pava go	ik1.8.0_181\pin;
1	OK	Cancel

- NOTE :- After selecting path it may open a different window/page. If it displays a notebook kind of ruled page -> then select edit option given on the right side and paste path in next empty line.
- STEP 16:- Go to MyComputer/ThisPC ->C drive/OS drive ->Program Files ->Java-> \jdk1.8.0\_181 -> bin

Click on file path

<b>30-</b> 1	<ul> <li>Computer          <ul> <li>Local Di</li> </ul> </li> </ul>	sk (C:) 🕨 Prograr	n Files 🕨	Java ▶ jdk1.8.0_181	▶ bin			
Organize 💌	Include in library 🔻	Share with 🔻	Burn	New folder				
4 🔆 Favorites	<b>^</b>	Name	^		Date modified	Туре	Size	

Click on this bar and copy the pah C:\Program Files\Java\jdk1.8.0\_181\bin

STEP 17:- Paste the copied path after semicolon-> ok -> ok

Variable <u>v</u> alue:	n;C:\Program Files\Ja	va\jdk1.8.0_181\bin;
	ОК	Cancel

**STEP 18:-** Go back to complete jar file ->Java -> Install Eclipse by following all steps(select Java for developers if asked)

**STEP 19:-** Open Eclipse -> close welcome window on left top side.

**STEP 20:-** Go to File ->NEW -> Java Project "seleniumProject"-> Enter project name -> Finish



**STEP 21:-** Right-click on your project-> new -> Package -> enter package name -> finish

**STEP 22:-** Right click on created package ->new -> class -> Enter class name and select check box public static void main -> finish

# 2.Selenium setup

**STEP 1:**- Right click on a created project and go down in the list and select properties



STEP 2:- Select Java Build path -> libraries -> Add jar file

type filter text	Java Build Path		
Resource Builders	进 Source 🔀 Projects 🛋 Libraries 🗞 Order and Export		
Coverage	JARs and class folders on the build path:		
Java Build Path	N hyte-huddy-183 jar - D\jar files		
	, <u> </u>		

STEP 3:- Go to Downloads ->Complete jar file -> selenium



STEP 4:-	Select elenium-server -standalone -> o	open -> apply and	close
5	- Home	Dute mouned	1.1bc
op	\mu jar files	2/9/2019 8:18 AM	File folder
loads	📓 selenium-server-standalone-3.141.59	2/8/2019 9:54 PM	Executable Jar File

**STEP 5:-** Repeat step 23-26 and this time select jar -> select all (ctrl +A) -> apply and close

**STEP 6-** Go to Complete jar file in downloads -> selenium -> copy gecko, chrome ,IE driver.

jar files	2/0/2010 0.10 0.14		
	2/9/2019 0:10 AIVI	File folder	
🗉 chromedriver	2/8/2019 10:09 PM	Application	8,343 KB
🔲 geckodriver	2/8/2019 10:09 PM	Application	14,140 KB
IEDriverServer	8/2/2018 8:40 AM	Application	3,228 KB
selenium-server-standalone-3.141.59	2/8/2019 9:54 PM	Executable Jar File	10,401 KB

#### And go to -> C:\Program Files -> paste there

v folder	🦛 Windows N I	//14/2009 1:32 AN
	📕 Windows Photo Viewer	7/14/2009 1:37 AN
Logs	Windows Portable Devices	7/14/2009 1:32 AN
gram Files gram Files (x86) pUI rs	Windows Sidebar	7/14/2009 1:37 AN
		8/8/2018 6:57 AM
	chromedriver	7/27/2018 1:32 PN
	geckodriver	6/15/2018 9:57 PN
Idows	IEDriverServer	8/2/2018 8:40 AM
pp	prog	

Now you are ready to run selenium code.