\*\*Selenium Features\*\*

* Selenium is open Source Automation Testing tool
* It is used exclusively for Web Based applications. You can work on multiple operating systems using selenium .
* Selenium supports multiple browsers -   
  Chrome, Firefox, Internet Explorer, Safari
* Selenium works with Multiple Platforms   
  Windows, Apple OS X, Linux
* Selenium can be coded in multiple languages -   
   Java, C#, Python, Javascript,php,Ruby
* Difference between Selenium and Webdriver?

Selenium is an open source automation testing tool.

So that means you can just download selenium jars from their official website and you can start working

Selenium is not paid tool, so everyone can just download it and can start automating test cases.

So that's the Selenium and it is exclusively for web based applications.

So if you have any application which is non web like window based, then selenium is not the right tool

because selenium can automate anything which is which can render on web browser application can be designed

with any of the technology.

But if that application can render on the browser, then you can definitely use selenium to automate

that application.

You can automate your test cases in Chrome, Firefox, Internet Explorer as well as Safari.

There is also support for opera Driver, but no one really uses opera driver to automate our regression

test cases.

And one good thing is that code will be common.

So no matter what browser you execute, you will write same code and you will execute in different browsers

just by changing the browser name, the same code can be triggered in Chrome, Firefox or Safari.

So basically whatever language you are expect, choose that language.

There are selenium libraries available for each and every language which is present here, so you can

pick any language up to your convenience.

Okay, so you need to understand one particular language and all the remaining languages is just a syntax

difference, but the core concepts still remains same.

If you see here, selenium is a suite of tools to automate web browsers across many platforms.

We just saw that you can automate with Windows OS Linux and multiple web browsers, but it comes as

a suite of tools.

So one of the tool is Selenium Webdriver and another is IDE.

These are two different tools which selenium releases.

So Selenium is a parent here under that parent Selenium word, that product selenium releases multiple

different tools.

Okay.

So right now there are two tools here webdriver and ID.

ID is just a record and playback tool.

Everyone will use selenium Webdriver because it helps us to create robust browser based regression automation.

Okay.

Earlier we when selenium is released for first time, it came up with two tools Selenium, remote control

and selenium IDE.

Selenium Webdriver is successor of Selenium.

RC initial version is selenium RC but it have lot of disadvantages.

So the later this team have released one new tool called Selenium Webdriver which is successor of this

the older tool.