DESIRED CAPABILITIES

* **Desired Capabilities** is a class in Selenium used to set properties of browsers to perform cross browser testing of web applications.
* It stores the capabilities as key-value pairs and these capabilities are used to set browser properties like browser name, browser version, path of browser driver in the system, etc. to determine the behaviour of browser at run time.
* Desired capability can also be used to configure the driver instance of Selenium WebDriver.

We can configure driver instance like FirefoxDriver, ChromeDriver, InternetExplorerDriver by using desired capabilities.

DesiredCapabilities capabilities = DesiredCapabilities.internetExplorer();

**Why do we need Desired Capabilities?**

The Desired Capabilities Class helps us to tell the webdriver, which environment we are going to use in our test script.

In mobile application automation, where the browser properties and the device properties can be set.

In Selenium grid when we want to run the test cases on a different browser with different operating systems and versions.

## Different types of Desired Capabilities Methods

getBrowserName()

setBrowserName()

getVersion()

setVersion()

getPlatform()

setPlatform()

getCapability()

setCapability()