**Why Robot Class?**

1. In certain Selenium Automation Tests, there is a need to control keyboard or mouse to interact with OS windows like Download pop-up, Alerts, Print Pop-ups, etc. or native Operation System applications like Notepad, Skype, Calculator, etc.
2. Selenium Webdriver cannot handle these OS pop-ups/applications.

**Benefits of Robot Class**

1. Robot Class can simulate Keyboard and Mouse Event
2. Robot Class can help in upload/download of files when using selenium web driver
3. Robot Class can easily be integrated with current automation framework (keyword, data-driven or hybrid)

**Some commonly and popular used methods of Robot Class during web automation:**

Object Creation for Robot class

Robot robot =new Robot();

* keyPress():This method with press down arrow key of Keyboard
* **Example:** robot.keyPress(KeyEvent.VK\_DOWN) :
* mousePress() : **Example**: robot.mousePress(InputEvent.BUTTON3\_DOWN\_MASK) : This method will press the right click of your mouse.
* mouseMove (): **Example**: robot.mouseMove(point.getX(), point.getY()) : This will move mouse pointer to the specified X and Y coordinates.
* keyRelease() : **Example:** robot.keyRelease(KeyEvent.VK\_DOWN) : This method with release down arrow key of Keyboard
* mouseRelease() : **Example:** robot.mouseRelease(InputEvent.BUTTON3\_DOWN\_MASK) : This method will release the right click of your mouse
* To press down arrow key of Keyboard we use (**robot.keyPress(KeyEvent.VK\_DOWN))**
* To press TAB key of keyboard (we use **robot.keyPress(KeyEvent.VK\_TAB))**
* To press Enter key we use (**robot.keyPress(KeyEvent.VK\_ENTER)).**