**What are Alerts in Selenium?**

An Alert is a small message box that appears on the screen to give information and/or give a warning for a potentially damaging operation or permission to perform that operation.

**Types of Alerts in Selenium**

There are three types of Alerts in Selenium, described as follows:

1. **Simple Alert** - The simple alert in selenium shows some information or warning on the window, with an ‘Ok’ button or equivalent.
2. **Prompt Alert** - Prompt Alert asks for an input text in prompts before accepting or dismissing.
3. **Confirmation Alert** - The confirmation alert asks for the permission to do some type of operations, with ‘Ok’ & ‘Cancel’ button or equivalent.

**What are Popups in Selenium?**

Selenium enables you to handle various types of popups and alerts that may appear during automated browsing, such as JavaScript alerts, modal dialogs, and browser notifications. You can switch to and interact with popup windows or accept/dismiss alerts using appropriate WebDriver methods.

**How to Handle Popups in Selenium?**

**1. Switch to the Alert**

Use **driver.switchTo().alert()**. This tells Selenium to focus on the alert instead of the main page.

**2. Interact with the Alert**

1. **Get the text:** Use **alert.getText()** to read the message displayed in the alert.
2. **Accept the alert:** Use **alert.accept()** to click the “OK” button (or equivalent).
3. **Dismiss the alert:** Use **alert.dismiss()** to click the “Cancel” button (or equivalent).
4. **Enter text (for prompts):** Use **alert.sendKeys("text")**to input text in prompts before accepting or dismissing.