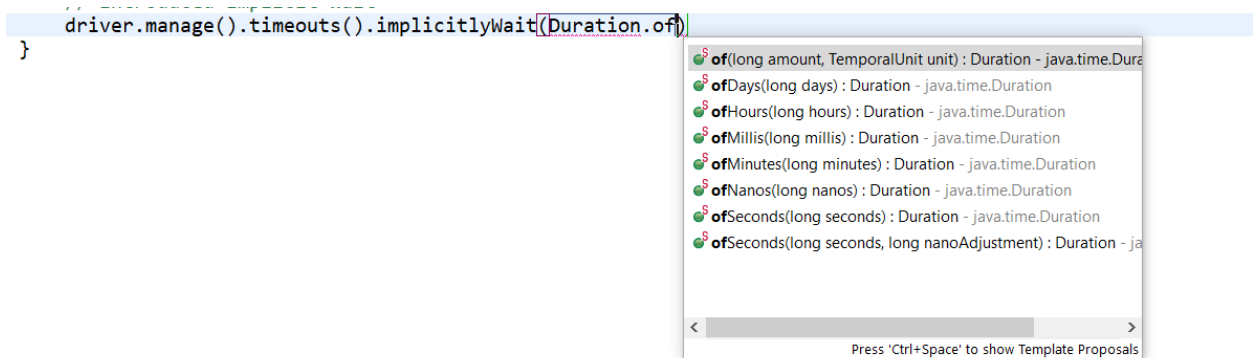## Wait:-

#. Implicit Wait
#. Explicit Wait
#. Fluent Wait

Implicit Wait

#. Our main intention to use impicit wait in selenium is to instruct WebDriver that wait for a specific amount of time before throwing an Exception.
#. It is Highly recommended to use implicit in our project.
#. Implicit wait in selenium will be applicable throughout our script and will be work on all web element
if we specify implicit wait once.

```
//              implicitly Wait
    driver.manage().timeouts().implicitlyWait(Duration.of)
}
```

```
of(long amount, TemporalUnit unit) : Duration - java.time.Dura
ofDays(long days) : Duration - java.time.Duration
ofHours(long hours) : Duration - java.time.Duration
ofMillis(long millis) : Duration - java.time.Duration
ofMinutes(long minutes) : Duration - java.time.Duration
ofNanos(long nanos) : Duration - java.time.Duration
ofSeconds(long seconds) : Duration - java.time.Duration
ofSeconds(long seconds, long nanoAdjustment) : Duration - ja
```

Press 'Ctrl+Space' to show Template Proposals

Explicit Wait:-

#. It is used to halt the execution till the time a particular condition is met or the max time has elapsed.
#. Explicit Wait are applied for a particular condition only.
#. WebDriver introduce classes like WebDriverWait & ExpectedConditions to enforce Explicit wait
into the test script.
#. WebDriverWait by default calls ExpectedCondition to poll by every 500 millisecond until
condition get satisfy or max time elapsed.

Snippet Code:-

```
19        // Explicit Wait
20        WebDriverWait wt=new WebDriverWait(driver,Duration.ofSeconds(30));
21        wt.until(ExpectedConditions.visibilityOfElementLocated(By.xpath("//input[@name='username']"))).sendKeys("Admin");
22
```

FluentWait:-

#. FluentWait is a type of wait in selenium that:-

#. Allow you to set Maximum wait time.
#. Allow you to set Polling Interval.
#. Ignores specific Exceptions like(NoSuchElement Exception)
#. Keep Checking repeatedly until the element is found.
#. It is useful when elements take unpredictable time to appear.