IWebDriver driver = new ChromeDriver();

driver.Manage().Window.Maximize();

driver.Manage().Timeouts().ImplicitWait = TimeSpan.FromSeconds(30);

driver.Url = "https://account.magento.com/customer/account/login";

IWebElement element = driver.FindElement(By.XPath("//a[normalize-space()='Sign in with Adobe ID']"));

string beforeRgbColor = element.GetCssValue("background-color");

Console.WriteLine(beforeRgbColor);

//mouse hover build & perform

Actions action = new Actions(driver);

action.MoveToElement(element).Build().Perform();

string rgbColor = element.GetCssValue("background-color");

Console.WriteLine(rgbColor);

//Assert.AreEqual("rgba(75, 75, 75, 1)", rgbColor);

driver.FindElement(By.XPath("//a[normalize-space()='Sign in with Adobe ID']")).Click();

driver.FindElement(By.XPath("//a[@class='spectrum-ActionButton SocialButton SocialButton--apple']")).Click();

//7. get the link

string text = driver.FindElement(By.XPath("//input[@id='account\_name\_text\_field']")).Text;

Console.WriteLine(text);

//8. Get the link (href) detail for "Forgotten your Apple ID or password?"

string href = driver.FindElement(By.XPath("//a[@id='iforgot-link']")).GetAttribute("href");

Console.WriteLine(href);

driver.FindElement(By.XPath("//a[@id='iforgot-link']")).Click();

driver.SwitchTo().Window(driver.WindowHandles[1]);

string title = driver.Title;

string currUrl = driver.Url;

Console.WriteLine(title, currUrl);

driver.Quit();

driver.SwitchTo().DefaultContent(); // Go to the main HTML.

driver.SwitchTo().Frame("pat");

SelectElement select = new SelectElement(driver.FindElement(By.Name("form\_sex")));

select.SelectByText("Male");

// explicit wait

WebDriverWait wait = new WebDriverWait(driver, TimeSpan.FromSeconds(50));

//ignores all the exception

wait.Until(x => x.SwitchTo().Alert());

//// \*\*\* Fluent wait \*\*\*

DefaultWait<IWebDriver> wait = new DefaultWait<IWebDriver>(driver);

wait.Timeout = TimeSpan.FromSeconds(50);

wait.PollingInterval = TimeSpan.FromSeconds(5);

wait.IgnoreExceptionTypes(typeof(NoAlertPresentException)); //ignore no alert exception

wait.Until(x => x.SwitchTo().Alert());

//print Alert box messages.

string actualValueOfAlert = driver.SwitchTo().Alert().Text;

Console.WriteLine(actualValueOfAlert);

//Pop-Up close

if (driver.FindElements(By.XPath("//div[@id='regPopUp']/a[@class='popup-close']")).Count > 0)

{

driver.FindElement(By.XPath("//div[@id='regPopUp']/a[@class='popup-close']")).Click();

}

//자바스크립트로 하는 방법

IJavaScriptExecutor js = (IJavaScriptExecutor)driver;

js.ExecuteScript("document.querySelector('#registerPopupLink').click()");

//dynamic table

int pageCount = driver.FindElements(By.XPath("//div[@class='dataTables\_paginate paging\_simple\_numbers']/span/a")).Count;

//Console.WriteLine(pageCount); //2

int totalSalary = 0;

for (int i = 1; i <= pageCount; i++)

{

int rowCount = driver.FindElements(By.XPath("//table[@id='example']/tbody/tr")).Count;

for (int j = 1; j <= rowCount; j++)

{

string salary = driver.FindElement(By.XPath("//table[@id='example']/tbody/tr[" + j + "]/td[6]")).Text;

Console.WriteLine(salary);

totalSalary += Int32.Parse(Regex.Match(salary, @"[0-9]+\.?[0-9,]\*").Value.Replace(",", ""));

}

driver.FindElement(By.XPath("//a[text()='Next']")).Click();

}

//Additional Actions class

Actions action = new Actions(driver); action.KeyDown(Keys.Shift).SendKeys("hello").KeyUp(Keys.Shift).SendKeys(Keys.Enter).Build().Perform();

// JavaScript Executor & webElements

IJavaScriptExecutor js = (IJavaScriptExecutor)driver;

js.ExecuteScript("document.querySelector('#registerPopupLink').click()");

js.ExecuteScript("arguments[0].scrollIntoView();",driver.FindElement(By.Name("register")));

driver.FindElement(By.Name("register")).Click();

document.getElementById("authUser").value="bala"

document.querySelector("#authUser").value="jik"

//탭 여러 개일때 확인하는 방법

ReadOnlyCollection<string> windows = driver.WindowHandles;

foreach(string win in windows)  
{  
Console.WriteLine(win);  
driver.SwitchTo().Window(win);  
Console.WriteLine(driver.Title);  
if(driver.Title.Equals("Sykes"))  
{  
//stop the iteration  
break;  
}  
}