**WebElement Creation:**

using CSharpTestingExamples.ExamplePrograms;

using OpenQA.Selenium;

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using OpenQA.Selenium.Chrome;

using System.Threading;

namespace CSharpTestingExamples

{

class Program

{

public static IWebDriver oBrowser = null;

static void Main(string[] args)

{

intialize();

navigate();

login();

}

public static void intialize()

{

oBrowser = new ChromeDriver();

Thread.Sleep(5000);

oBrowser.Manage().Window.Maximize();

}

static void navigate()

{

oBrowser.Navigate().GoToUrl("http://localhost/login.do");

Thread.Sleep(5000);

}

static void login()

{

IWebElement oEle = oBrowser.FindElement(By.Id("username"));

oEle.SendKeys("admin");

Thread.Sleep(3000);

oEle.Clear();

Thread.Sleep(3000);

oEle.SendKeys("DemoUser1");

Thread.Sleep(3000);

oEle.Clear();

Thread.Sleep(3000);

oEle.SendKeys("DEmoUser2");

Thread.Sleep(3000);

oEle.Clear();

Thread.Sleep(3000);

}

}

}

**Strings Operations:**

using CSharpTestingExamples.ExamplePrograms;

using OpenQA.Selenium;

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using OpenQA.Selenium.Chrome;

using System.Threading;

namespace CSharpTestingExamples

{

class Program

{

static void Main(string[] args)

{

lowercase();

uppercase();

strLength();

substringtest();

strExists();

strSplit();

strReplace();

strCatenation();

strJoin();

compareString();

findPosition();

Console.ReadLine();

}

static void lowercase()

{

string s1 = "PROGRAMMING";

Console.WriteLine("Lower Case :" + s1.ToLower());

Console.WriteLine("--------------------");

}

static void uppercase()

{

string s1 = "programmmingg";

Console.WriteLine("Lower Case :" + s1.ToUpper());

Console.WriteLine("--------------------");

}

static void strLength()

{

string s1 = "PROGRAM";

Console.WriteLine("Lower Case :" + s1.Length);

Console.WriteLine("--------------------");

}

static void substringtest()

{

string s1 = "programmmingg";

Console.WriteLine("Extracted String :" + s1.Substring(3));

Console.WriteLine("Extracted String :" + s1.Substring(3,4));

Console.WriteLine("--------------------");

}

static void strExists()

{

string s1 = "It is a big palace";

Console.WriteLine("starts with :" + s1.StartsWith("It"));

Console.WriteLine("ends with :" + s1.EndsWith("ace"));

Console.WriteLine("Contains :" + s1.Contains("big"));

Console.WriteLine("--------------------");

}

static void strSplit()

{

string s1 = "Apple,Mango,Banna,Orange,Grapes";

String[] s = s1.Split(',');

foreach (String kk in s)

{

Console.WriteLine(kk);

}

Console.WriteLine("--------------------");

}

static void strReplace()

{

string s1 = "It is a big palace";

Console.WriteLine("Replacement String :" + s1.Replace("is","was"));

Console.WriteLine("--------------------");

}

static void strCatenation()

{

string[] s1 = { "C#"," Programming"," Language" };

Console.WriteLine("Concatenation String :" + String.Concat(s1));

Console.WriteLine("--------------------");

}

static void strJoin()

{

string[] s1 = { "C#", " Programming", " Language" };

Console.WriteLine("Concatenation String :" + String.Join(",",s1));

Console.WriteLine("--------------------");

}

static void compareString()

{

string s1 = "Program";

string s2 = "program";

string s3 = "Program";

Console.WriteLine("Compare String 1:" + s1.Equals(s2));

Console.WriteLine("Compare String 2:"+s1.Equals(s3));

Console.WriteLine("Compare String 3:" + s1.CompareTo(s2));

Console.WriteLine("Compare String 4:" + s1.CompareTo(s3));

Console.WriteLine("--------------------");

}

static void findPosition()

{

string s1 = "xxaxxaxxaXXAXXA";

Console.WriteLine("Find Position 1 :" + s1.IndexOf('A'));

Console.WriteLine("Extracted String :" + s1.LastIndexOf('A'));

Console.WriteLine("--------------------");

}

}

}

**StringBuilder Methods:**

using CSharpTestingExamples.ExamplePrograms;

using OpenQA.Selenium;

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using OpenQA.Selenium.Chrome;

using System.Threading;

namespace CSharpTestingExamples

{

class Program

{

static void Main(string[] args)

{

appendSting();

InsertString();

RemoveString();

Console.ReadLine();

}

static void appendSting()

{

StringBuilder s1 = new StringBuilder(".Net");

Console.WriteLine(s1);

s1.Append(" Programming");

Console.WriteLine(s1);

s1.Append(" Language");

Console.WriteLine(s1);

Console.WriteLine("------------------------------");

}

static void InsertString()

{

StringBuilder s1 = new StringBuilder("It is a palace");

StringBuilder s2 = s1.Insert(8, "new ");

Console.WriteLine(s2);

Console.WriteLine("------------------------------");

}

static void RemoveString()

{

StringBuilder s1 = new StringBuilder("It is a new palace");

StringBuilder s2 = s1.Remove(8, 4);

Console.WriteLine(s2);

Console.WriteLine("------------------------------");

}

}

}

**Identify Frames/Working on Frames**