**Multiple Ways to Locate Elements**

package practicesolution;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

public class LocatorExample {

public static void main(String[] args) throws InterruptedException {

WebDriver driver = new ChromeDriver();

driver.manage().window().maximize();

driver.get("https://en.wikipedia.org/w/index.php?title=Special:CreateAccount&returnto=Wikipedia%3ANew+account");

//Using ID Locator

driver.findElement(By.id("wpName2")).sendKeys("Pruthvishree");

Thread.sleep(2000);

//Using name locator

driver.findElement(By.name("wpPassword")).sendKeys("admin122");

Thread.sleep(2000);

//Using Linktext locator

driver.findElement(By.linkText("Log in")).click();

Thread.sleep(2000);

//Using Xpath locator

driver.findElement(By.xpath("//input[@id='wpName1']")).sendKeys("Pruthvi");

Thread.sleep(2000);

//Using CSS selector locator

driver.findElement(By.cssSelector("input#wpPassword1")).sendKeys("admin");

Thread.sleep(2000);

//Using xpath for dynamic elements

driver.findElement(By.xpath("//button[text()='Log in']")).click();

Thread.sleep(2000);

driver.close();

}

}