Activity 1.java

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.firefox.FirefoxDriver;

public class Activity1 {

public static void main(String[] args) {

// Initialize the Firefox Driver

WebDriver driver = new FirefoxDriver();

driver.get("https://training-support.net");

// Verify the page title

System.out.println("Page title is: " + driver.getTitle());

// Find the About Us link and click it

driver.findElement(By.linkText("About Us")).click();

// Print the page title of the About Us page

System.out.println("New page title is: " + driver.getTitle());

driver.quit();

}

}

Activity1.py

# Import webdriver from selenium

from selenium import webdriver

from selenium.webdriver.common.by import By

with webdriver.Firefox() as driver:

driver.get("https://training-support.net/")

print("Page title is: ", driver.title)

driver.find\_element(By.LINK\_TEXT, "About Us").click()

print("New page title is: ", driver.title)

Activity2.java

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.firefox.FirefoxDriver;

public class Activity2 {

public static void main(String[] args) {

WebDriver driver = new FirefoxDriver();

driver.get("https://training-support.net/webelements/login-form");

System.out.println("Page title: " + driver.getTitle());

driver.findElement(By.id("username")).sendKeys("admin");

driver.findElement(By.id("password")).sendKeys("password");

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

String message = driver.findElement(By.tagName("h1")).getText();

System.out.println(message);

driver.quit();

}

}

Python File

from selenium import webdriver

from selenium.webdriver.common.by import By

with webdriver.Firefox() as driver:

driver.get("https://training-support.net/webelements/login-form")

print("Page title is: ", driver.title)

username = driver.find\_element(By.ID, "username")

password = driver.find\_element(By.ID, "password")

username.send\_keys("admin")

password.send\_keys("password")

login = driver.find\_element(By.XPATH, "//button[text()='Submit']")

login.click()

message = driver.find\_element(By.CSS\_SELECTOR, "h1.text-center")

print("Login message: ", message.text)

Activity3.java

from selenium import webdriver

from selenium.webdriver.common.by import By

with webdriver.Firefox() as driver:

driver.get("https://training-support.net/webelements/login-form")

print("Page title is: ", driver.title)

username = driver.find\_element(By.ID, "username")

password = driver.find\_element(By.ID, "password")

username.send\_keys("admin")

password.send\_keys("password")

login = driver.find\_element(By.XPATH, "//button[text()='Submit']")

login.click()

message = driver.find\_element(By.CSS\_SELECTOR, "h1.text-center")

print("Login message: ", message.text)

Python File

from selenium import webdriver

from selenium.webdriver.common.by import By

with webdriver.Firefox() as driver:

driver.get("https://training-support.net/webelements/login-form")

print("Page title is: ", driver.title)

username = driver.find\_element(By.XPATH, "//input[@id='username']")

password = driver.find\_element(By.XPATH, "//input[@id='password']")

username.send\_keys("admin")

password.send\_keys("password")

login = driver.find\_element(By.XPATH, "//button[text()='Submit']")

login.click()

message = driver.find\_element(By.XPATH, "//h1[contains(@class, 'text-center')]")

print("Login message: ", message.text)

Activity4

Java File:

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.firefox.FirefoxDriver;

import org.openqa.selenium.support.Color;

public class Activity4 {

public static void main(String[] args) {

WebDriver driver = new FirefoxDriver();

driver.get("https://training-support.net/webelements/target-practice");

System.out.println("Page title: " + driver.getTitle());

String thirdHeaderText = driver.findElement(By.xpath("//h3[contains(text(), '#3')]")).getText();

System.out.println(thirdHeaderText);

Color fifthHeaderColor = Color.fromString(driver.findElement(By.xpath("//h5[contains(text(), '#5')]")).getCssValue("color"));

System.out.println("Color as RGB: " + fifthHeaderColor.asRgb());

System.out.println("Color as hexcode: " + fifthHeaderColor.asHex());

String purpleButtonClass = driver.findElement(By.xpath("//button[text()='Purple']")).getDomAttribute("class");

System.out.println(purpleButtonClass);

String slateButtonText = driver.findElement(By.xpath("//button[contains(@class, 'slate')]")).getText();

System.out.println(slateButtonText);

driver.quit();

}

}

Activity5 Python File

# Import webdriver from selenium

from selenium import webdriver

from selenium.webdriver.common.by import By

with webdriver.Firefox() as driver:

# Navigate to the URL

driver.get("https://training-support.net/webelements/dynamic-controls")

print("Page title is: ", driver.title)

checkbox = driver.find\_element(By.ID, "checkbox")

checkbox\_toggle = driver.find\_element(By.XPATH, "//button[text()='Toggle Checkbox']")

print("Checkbox is visible: ", checkbox.is\_displayed())

checkbox\_toggle.click()

print("Checkbox is visible: ", checkbox.is\_displayed())

Activity 6 Python File

from selenium import webdriver

from selenium.webdriver.common.by import By

with webdriver.Firefox() as driver:

driver.get("https://training-support.net/webelements/dynamic-controls")

print("Page title is: ", driver.title)

checkbox = driver.find\_element(By.ID, "checkbox")

checkbox.click()

print("Checkbox is visible: ", checkbox.is\_selected())

checkbox.click()

print("Checkbox is visible: ", checkbox.is\_selected())

Acivity 7 Python File

from selenium import webdriver

from selenium.webdriver.common.by import By

with webdriver.Firefox() as driver:

driver.get("https://training-support.net/webelements/dynamic-controls")

print("Page title is: ", driver.title)

textbox = driver.find\_element(By.ID, "textInput")

print("Textbox is enabled: ", textbox.is\_enabled())

driver.find\_element(By.ID, "textInputButton").click()

print("Textbox is enabled: ", textbox.is\_enabled())

Activity 8 Java File

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.firefox.FirefoxDriver;

import org.openqa.selenium.interactions.Actions;

public class Activity8 {

public static void main(String[] args) {

WebDriver driver = new FirefoxDriver();

Actions builder = new Actions(driver);

driver.get("https://training-support.net/webelements/mouse-events");

System.out.println("Page title: " + driver.getTitle());

WebElement cargoLock = driver.findElement(By.xpath("//h1[text()='Cargo.lock']"));

WebElement cargoToml = driver.findElement(By.xpath("//h1[text()='Cargo.toml']"));

WebElement srcButton = driver.findElement(By.xpath("//h1[text()='src']"));

WebElement targetButton = driver.findElement(By.xpath("//h1[text()='target']")); builder.click(cargoLock).pause(1000).moveToElement(cargoToml).pause(5000).click(cargoToml).build().perform();

String actionMessage = driver.findElement(By.id("result")).getText();

System.out.println(actionMessage);

builder.doubleClick(srcButton).pause(3000).pause(5000)

.contextClick(targetButton).pause(3000).build().perform(); builder.click(driver.findElement(By.xpath("//div[@id='menu']/div/ul/li[1]"))).pause(5000).build().perform();

actionMessage = driver.findElement(By.id("result")).getText();

System.out.println(actionMessage);

driver.quit();

}

}

Activity 9 Python File

from selenium import webdriver

from selenium.webdriver import Keys, ActionChains

from selenium.webdriver.common.by import By

with webdriver.Firefox() as driver:

# Declare the actions variable

actions = ActionChains(driver)

driver.get("https://training-support.net/webelements/keyboard-events")

print("Page title is: ", driver.title)

actions.send\_keys("This is coming from Selenium").send\_keys(Keys.RETURN).perform()

pageText = driver.find\_element(By.CSS\_SELECTOR, "h1.mt-3").text

print(pageText)

Activity 10 Python File

# Import webdriver from selenium

from selenium import webdriver

from selenium.webdriver import ActionChains

from selenium.webdriver.common.by import By

with webdriver.Firefox() as driver:

# Declare the actions variable

actions = ActionChains(driver)

driver.get("https://training-support.net/webelements/drag-drop")

# Print the title of the page

print("Page title is: ", driver.title)

football = driver.find\_element(By.ID, "ball")

# Find the dropzone1

dropzone1 = driver.find\_element(By.ID, "dropzone1")

# Find the dropzone2

dropzone2 = driver.find\_element(By.ID, "dropzone2")

actions.click\_and\_hold(football).move\_to\_element(dropzone1).pause(5).release().perform()

if(dropzone1.find\_element(By.CLASS\_NAME, "dropzone-text").text == "Dropped!"):

print("Ball was dropped in Dropzone 1")

actions.drag\_and\_drop(football, dropzone2).pause(5).perform()

if(dropzone2.find\_element(By.CLASS\_NAME, "dropzone-text").text == "Dropped!"):

print("Ball was dropped in Dropzone 2")