2)

a)

**package** com.ecommerce.test;

**import** org.openqa.selenium.\*;

**import** org.openqa.selenium.chrome.ChromeDriver;

**import** org.openqa.selenium.support.ui.Select;

//import org.openqa.selenium.firefox.FirefoxDriver;

**public** **class** LocateElementsDemo {

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

// Basic configuration

WebDriver driver = **new** ChromeDriver();

// Demo for locating TextFeild, Button, Select

// using id, name and className, xpath

// googleAccCreation(driver);

/\* Demo locating Select and Radio Elements\*/

*facebookAccCreation*(driver);

}

/\* Automate Select and Radio Elements\*/

**public** **static** **void** facebookAccCreation(WebDriver driver) **throws** InterruptedException {

String baseUrl = "https://www.facebook.com/r.php?locale=en\_GB&display=page";

driver.get(baseUrl);

//The Day Dropdown

//\*[@id="day"]

///html/body/div[1]/div[1]/div[1]/div[2]/div/div[2]/div/div/div[1]/form/div[1]/div[5]/div[2]/span/span/select[1]

String fullXPathOfDayDropDown =

"/html/body/div[1]/div[1]/div[1]/div[2]/div/div[2]/div/div/div[1]/form/div[1]/div[5]/div[2]/span/span/select[1]";

WebElement dayDropDown = driver.findElement(By.*xpath*(fullXPathOfDayDropDown));

Select select = **new** Select(dayDropDown);

select.selectByVisibleText("11");

// TRY THIS - Locate the month and year

// Locate the Gender and set it to M/F/C

// WebElement gender= driver.findElement(By.xpath("/html/body/div[1]/div[1]/div[1]/div[2]/div/div[2]/div/div/div[1]/form/div[1]/div[7]/span/span[2]/input"));

// gender.click();

//WebElement gender= driver.findElement(By.cssSelector("#u\_0\_5\_eQ")); // NOT WORKING, because id are dynamically generated

WebElement gender= driver.findElement(By.*cssSelector*("span > span > input[type='radio'][value='1']"));

gender.click(); // selects Female

//Locating image by its tag names

WebElement fbLogoImage = driver.findElement(By.*tagName*("img"));

System.***out***.println("FB Logo src is "+fbLogoImage.getAttribute("src"));

//Locate a link and click it.

WebElement fbAlreadyLink = driver.findElement(By.*linkText*("Already have an account?"));

fbAlreadyLink.click();

}

**public** **static** **void** googleAccCreation(WebDriver driver) **throws** InterruptedException {

String baseUrl = "https://accounts.google.com/signup/v2/createaccount?flowEntry=SignUp";

driver.get(baseUrl);

// Locate the first name feild using id

WebElement firstNameTF = driver.findElement(By.*id*("firstName"));

//System.out.println("firstname text feild details "+firstNameTF);

firstNameTF.sendKeys("firname");

// Locate the last name feild using name

WebElement lastNameTF = driver.findElement(By.*name*("lastName"));

lastNameTF.sendKeys("lasname");

//Locate the button using class

WebElement nextButton = driver.findElement(By.*className*("VfPpkd-vQzf8d"));

nextButton.click();

// Locate by XPath

String xPathOfMonth = "/html/body/div[1]/div[1]/div[2]/div/div[2]/div/div/div[2]/div/div[1]/div/form/span/section/div/div/div[1]/div[2]/div/div/div[2]/select";

WebElement monthSelectElement = driver.findElement(By.*xpath*(xPathOfMonth));

System.***out***.println("monthSelectElement details "+monthSelectElement);

Select select = **new** Select(monthSelectElement);

select.selectByValue("6");

Thread.*sleep*(15000);

driver.close();

}

}

Output:



