**Phase-5 Practice Project: Assisted Practice -**

**2. Locating Web Page Elements .**

**SOURCE CODE:**

**LocatingWebElements.java:**

**package** com;

**import** java.util.List;

**import** org.openqa.selenium.By;

**import** org.openqa.selenium.WebDriver;

**import** org.openqa.selenium.WebElement;

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

**public** **class** LocatingWebElements {

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

System.*setProperty*("webdriver.chrome.driver","C:\\Users\\jayanth\\Documents\\chromedriver.exe");

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

driver.get("http://www.facebook.com/");

//locating web elements

//by id

WebElement email\_id= driver.findElement(By.*id*("email"));

//by name

WebElement email\_name= driver.findElement(By.*name*("email"));

System.***out***.println("Email By Id and Name:"+email\_id.equals(email\_name));

//find link text

WebElement link=driver.findElement(By.*linkText*("Forgotten password?"));

//link.click();

//by relative path(Xpath)

WebElement email\_xpath=driver.findElement(By.*xpath*("//\*[@id=\"email\"]"));

System.***out***.println("Email by Xpath and Id :"+email\_id.equals(email\_xpath));

//by full xpath

WebElement email\_full\_xpath=driver.findElement(By.*xpath*("/html/body/div[1]/div[1]/div[1]/div/div/div/div[2]/div/div[1]/form/div[1]/div[1]/input"));

System.***out***.println("Email by Xpath and Full Xpath: "+email\_full\_xpath.equals(email\_xpath));

//by using selector (CSS selector)

WebElement email\_cssSelector=driver.findElement(By.*cssSelector*("#email"));

System.***out***.println("Email By CSS Selector and Xpath is: "+email\_cssSelector.equals(email\_xpath));

//List of web elements

List<WebElement> list=driver.findElements(By.*cssSelector*("input.inputtext"));

**for**(WebElement e:list) {

System.***out***.println("List of WebElements : "+e.getAttribute("placeholder"));

}

//by tag

WebElement password= driver.findElement(By.*cssSelector*("input[name=pass]"));

System.***out***.println("Password using Tag: "+password.getAttribute("placeholder"));

driver.close();

}

}

**OUTPUT:**



