SmartCliff
CAREER MOBILITY SOLUTIONS

We are on a mission to address the digital skills gap for 10 Million+ young professionals, train and empower them to forge a career path into future tech

Handling Popups and its Methods

28 APRIL, 2022

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- Introduction to Types of Popups

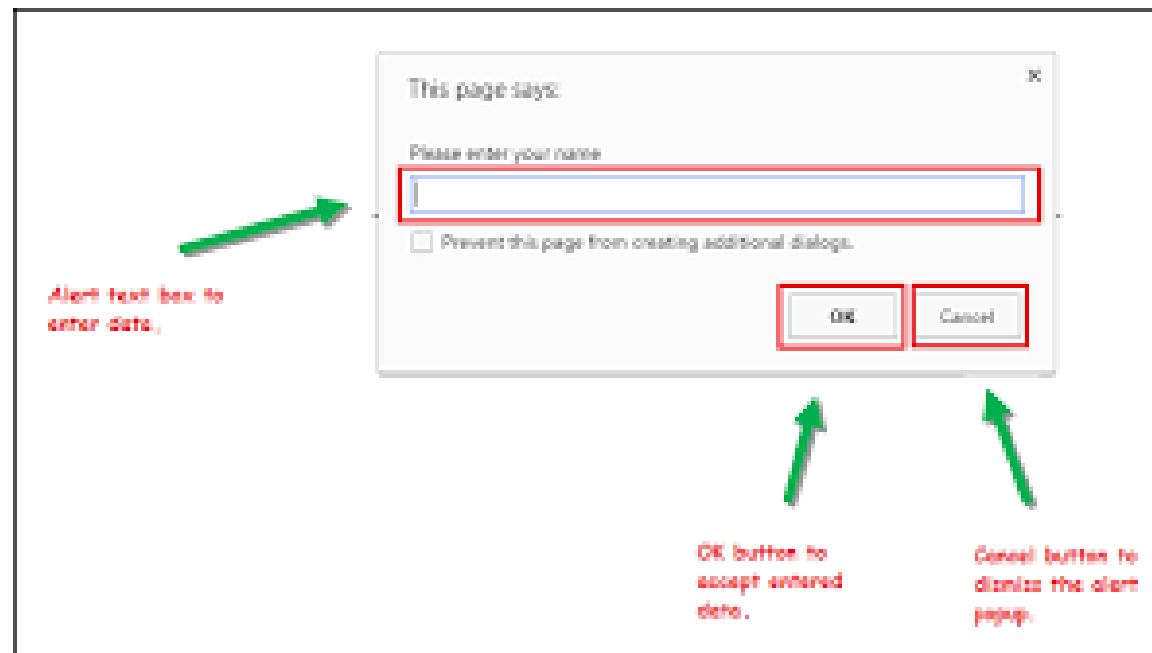- Handling Popups

- Quiz

Introduction of Types of Popups

Introduction to type of Popups

Simple Alert

This alert is used to notify a simple warning message with an 'OK' button as shown in the below snapshot.

Introduction to type of Popups (Contd.)

Prompt Alert

This alert will ask the user to input the required information to complete the task. In the below snapshot you can see that without entering the destination for Hotel, you are not allowed to hit the search button.
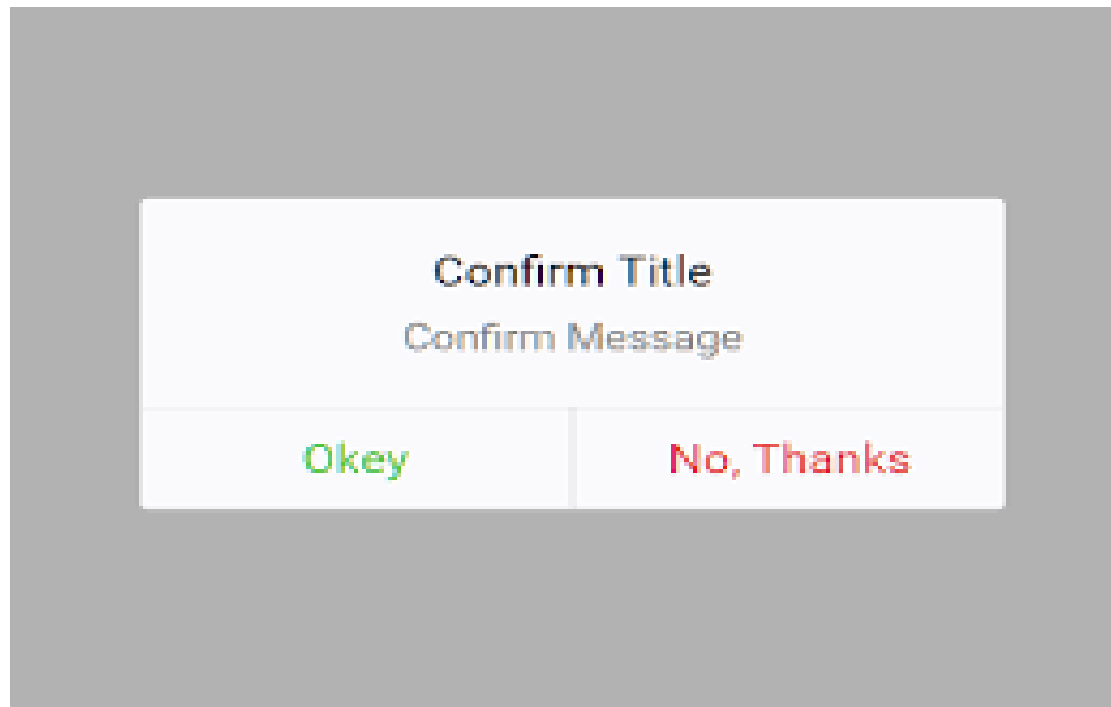
Introduction to type of Popups (Contd.)

Confirmation Alert

This alert is basically used for the confirmation of some tasks

Handling Popups

Handling Confirmation pop-up

- If the pop-up displayed in the browser which is opened by the "WebDriver" has two buttons(OK & Cancel) and we can move that pop-up.

Syntax :

Alert alert = driver.switchTo().alert();

String aMsg = alert.getText();

System.out.println(aMsg);

alert.dismis();

Handling Hidden Division

- Hidden division pop is nothing but HTML code which is hidden initially, hidden division pop up also known as dialog or overlay.

- The overlay is triggered when an application user performs specific tasks like clicking a button, submitting a form, or on page load...

Example:

Calendar Popups

Contact forms

Error and Success Messages

Properties of Hidden division Pop up

- Cannot be moved here and there

- We can inspect the overlay

- This is not JavaScript popup

- We can resize and customize the content of the pop-up

- If the content is more then the pop-up size, pop shows scroll bar

- When hidden division pop is opened, pop takes the focus from the application.

- When pop up is closed, focus automatically goes to the application

- Hidden division popup could be nested, i.e. a hidden division pop can have another hidden division pop up

- Hidden division pop can hold other pop-ups/ alerts on it.

Handling Child browser pop-up

- The child window is displayed and in order to perform any operation on it we need to make the web driver to switch from parent browser to child browser.

- In order to do this, we use "driver.switchTo.Window()" which takes window handle of the child browser. In order to get window handle of the child browser first we get window handle of all the browsers using "getWindowHandles()" of WebDriver.

- After switching to child browser if we use any method such as findElement(), close() etc, it will be executed on the child browser. If we close the child browser then we must switch back to parent browser by specifying window handle of the parent browser as a argument to "driver.switchTo().window()".
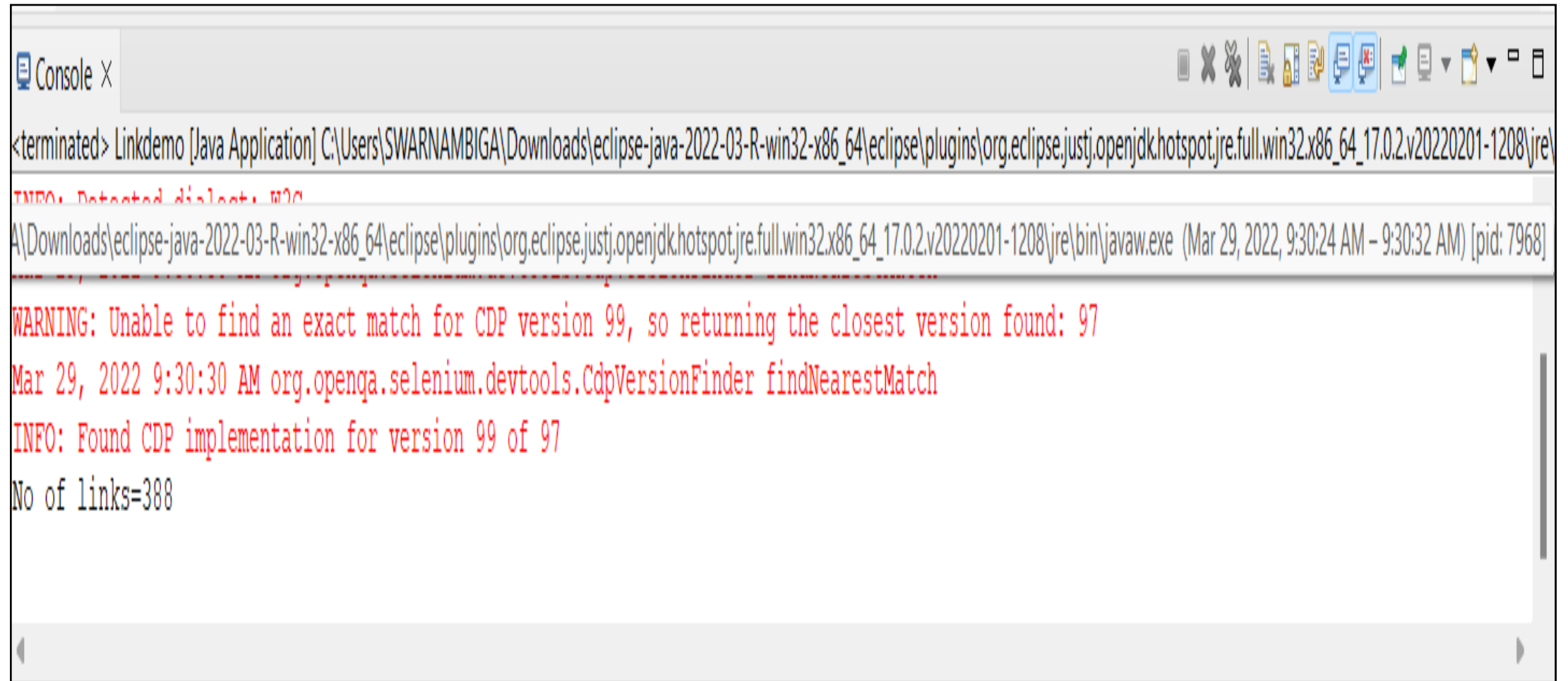
Program 1

```
public class Linkdemo {
public static void main(String[] args) {
// TODO Auto-generated method stub
        System.setProperty("webdriver.chrome.driver","c:\\Drivers\\chromedriver.exe");
        WebDriver driver=new ChromeDriver();
        driver.navigate().to("http://www.amazon.in");

        List<WebElement>no_of_links=driver.findElements(By.tagName("a"));
        System.out.println("No of links="+no_of_links);
}
}
```

Program 1 (Contd.)

```
alert1.accept();
 WebElement confirmAlertbox=driver.findElement(By.xpath(
 "//*[@id=\"Confirmation Box\"]"));
 confirmAlertbox.click();
 Alert confirmAlert=driver.switchTo().alert();
 Thread.sleep(3000);
 confirmAlert.dismiss();
 WebElement  promptAlertbox=driver.findElement(By.xpath(
 "//*[@id=\"Prompt Box\"]"));
 promptAlertbox.click(); Alert promptAlert= driver.switchTo().alert();
 Thread.sleep(3000);; promptAlert.sendKeys("C# "); promptAlert.accept();}


}
```

Quiz

1) **Which of the following method is used to transfer control to alert?**

<div>

a) transfer()

b) switchTo()

c) get()

d) direct()

</div>

Answer : Option b)

Quiz

2) **How to capture the text in the alert message?**

a) getData()

b) Text()

c) InnerText()

d) getText()

Answer : Option d)

Quiz

3) How to click the ok button in alerts?

a) ok

b) accept()

c) dismiss()

d) admit()

Answer : Option b)

Quiz

4) Can selenium directly handle Window pop up?

a) Yes

b) No

Answer : Option b)

Quiz

5) Which of the following is not a Selenium Alert?

a) Confirmation

b) Simple

c) Prompt

d) Progressive

Answer : Option d)

THANK YOU

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