

Day 04: Class Exercise Lab:

Task 01: Selenese Commands

Step 01: Record the below step

- Open the Page:
<https://demo.opencart.com/index.php?route=account/register&language=en-gb>.
- Register the Account
- Click on the Continue button.

Step 02: Replay the recorded Script.

Step 03: Export as the Junit Code

The screenshot displays the Selenium IDE interface for a project named 'Day_4 CE'. The 'Tests' pane on the left shows a single test case 'CE1'. The main area displays a table of recorded commands:

Command	Target	Value
✓ set window size	1366x720	
✓ click	id=input-firstname	
✓ type	id=input-firstname	uthika
✓ click	id=input-lastname	
✓ type	id=input-lastname	c
✓ click	id=input-email	
✓ type	id=input-email	uthi@gmail.com
✓ click	id=input-password	
✓ type	id=input-password	skcet123
✓ click	name=agree	
✓ click	css= btn-primary	

Below the table, there are input fields for 'Command', 'Target', 'Value', and 'Description'. At the bottom, a 'Log' pane shows the execution results of the test case, indicating it completed successfully at 19:40:10.

JUNIT CODE:

```
// Generated by Selenium IDE
import org.junit.Test;
import org.junit.Before;
import org.junit.After;
import static org.junit.Assert.*;
import static org.hamcrest.CoreMatchers.is;
import static org.hamcrest.core.IsNot.not;
import org.openqa.selenium.By;
```

```
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.firefox.FirefoxDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.remote.RemoteWebDriver;
import org.openqa.selenium.remote.DesiredCapabilities;
import org.openqa.selenium.Dimension;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.interactions.Actions;
import org.openqa.selenium.support.ui.ExpectedConditions;
import org.openqa.selenium.support.ui.WebDriverWait;
import org.openqa.selenium.JavascriptExecutor;
import org.openqa.selenium.Alert;
import org.openqa.selenium.Keys;
import java.util.*;
import java.net.MalformedURLException;
import java.net.URL;
public class CE1Test {
    private WebDriver driver;
    private Map<String, Object> vars;
    JavascriptExecutor js;
    @Before
    public void setUp() {
        driver = new ChromeDriver();
        js = (JavascriptExecutor) driver;
        vars = new HashMap<String, Object>();
    }
    @After
    public void tearDown() {
        driver.quit();
    }
    @Test
    public void cE1() {
        driver.get("https://demo.opencart.com/index.php?route=account/register&language=en-gb");
        driver.manage().window().setSize(new Dimension(1552, 880));
        driver.findElement(By.id("input-firstname")).click();
        driver.findElement(By.id("input-firstname")).sendKeys("uthika");
        driver.findElement(By.id("input-lastname")).click();
        driver.findElement(By.id("input-lastname")).sendKeys("c");
    }
}
```

```
driver.findElement(By.id("input-email")).click();  
driver.findElement(By.id("input-email")).sendKeys("uthi@gmail.com");  
driver.findElement(By.id("input-password")).click();  
driver.findElement(By.id("input-password")).sendKeys("skcet123");  
driver.findElement(By.name("agree")).click();  
driver.findElement(By.cssSelector(".btn-primary")).click();  
}  
}
```

Task 02: Locators

Task 3.1: Click My Account → Register. Locate the Below Elements

- Open the Page:
- <https://demo.opencart.com/index.php?route=account/register&language=en-gb>
- First Name
- Last Name
- Email
- Password
- Subscribe

CODE:

```
package uth.Day4;
```

```
import org.openqa.selenium.By;  
import org.openqa.selenium.WebDriver;  
import org.openqa.selenium.WebElement;  
import org.openqa.selenium.chrome.ChromeDriver;  
import org.openqa.selenium.chrome.ChromeOptions;
```

```
import io.github.bonigarcia.wdm.WebDriverManager;
```

```
public class CE_2 {
```

```
    public static void main(String[] args) throws InterruptedException {  
        // TODO Auto-generated method stub  
        ChromeOptions co = new ChromeOptions();  
        co.addArguments("--remote-allow-origins=*");
```

```
WebDriverManager.chromedriver().setup();
WebDriver driver = new ChromeDriver();

driver.get("https://demo.opencart.com/index.php?route=account/register&language=en-gb");
driver.manage().window().maximize();
WebElement fname=driver.findElement(By.id("input-firstname"));
    fname.sendKeys("uthika");

    WebElement lname=driver.findElement(By.id("input-lastname"));
    lname.sendKeys("c");

    WebElement mail=driver.findElement(By.id("input-email"));
    mail.sendKeys("727721eucs173@skcet.ac.in");

    WebElement psw=driver.findElement(By.id("input-password"));
    psw.sendKeys("fo@2003");
    Thread.sleep(4000);

    driver.findElement(By.id("input-newsletter-yes")).click();
    driver.findElement(By.name("agree")).click();
    //Thread.sleep(4000);
    driver.findElement(By.xpath("//button[@class=\"btn btn-primary\"]")).click();
}

}
```

```
<terminated> CE_2 (2) [Java Application] C:\Users\uthika\Downloads\eclipse-java-2022-09-R-win32-x86_64\eclipse\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.4.v20220903-1038\jre\bin\javaw.exe (01-May-2023, 1:39:39 pm - 1:39:49 pm) [
SLF4J: No SLF4J providers were found.
SLF4J: Defaulting to no-operation (NOP) logger implementation
SLF4J: See https://www.slf4j.org/codes.html#noProviders for further details.
Starting ChromeDriver 112.0.5615.49 (bd2a7bcb881c11e8cfe3078709382934e3916914-refs/branch-heads/5615@{#936}) on port 23899
Only local connections are allowed.
Please see https://chromedriver.chromium.org/security-considerations for suggestions on keeping ChromeDriver safe.
ChromeDriver was started successfully.
```

NAME: UTHIKA C
REG NO: 727721EUCS173

Register Account

If you already have an account with us, please login at the login page.

Your Personal Details

* First Name: uthika

* Last Name: c

* E-Mail: 727721eucs173@skoet.ac.in

Your Password

* Password:

Newsletter

Subscribe: ☒ Yes ☐ No

☐ I have read and agree to the [Privacy Policy](#) [Continue](#)

Task 3 Locate the Below Elements withXpath

Open Page :

- <https://demo.opencart.com/index.php?route=checkout/voucher&language=en-gb>
- Element with the Xpath Locator.

CODE:

```
package uth.Day43;
```

```
import org.openqa.selenium.By;  
import org.openqa.selenium.WebDriver;  
import org.openqa.selenium.WebElement;  
import org.openqa.selenium.chrome.ChromeDriver;  
import org.openqa.selenium.chrome.ChromeOptions;
```

```
import io.github.bonigarcia.wdm.WebDriverManager;
```

```
public class CE_3 {
```

```
    public static void main(String[] args) throws InterruptedException {  
        // TODO Auto-generated method stub
```

NAME: UTHIKA C
REG NO: 727721EUCS173

```
ChromeOptions co=new ChromeOptions();
co.addArguments("--remote-allow-origins=*");
WebDriverManager.chromedriver().setup();
WebDriver driver=new ChromeDriver(co);

driver.get("https://demo.opencart.com/index.php?route=checkout/voucher&language=en-gb");

driver.manage().window().maximize();
WebElement Rname=driver.findElement(By.xpath("//*[@id=\"input-firstname\"]"));
Rname.sendKeys("Uthika");

WebElement Rmail=driver.findElement(By.xpath("//*[@id=\"input-email\"]"));
Rmail.sendKeys("727721eucs173@skcet.ac.in");

WebElement Yname=driver.findElement(By.xpath("//*[@id=\"input-lastname\"]"));
Yname.sendKeys("Merlin");

WebElement Ymail=driver.findElement(By.xpath("//*[@id=\"input-email\"]"));
Ymail.sendKeys("727721eucs170@skcet.ac.in");
Thread.sleep(4000);

driver.findElement(By.xpath("//*[@id=\"input-newsletter-yes\"]")).click();

WebElement msg=driver.findElement(By.xpath("//*[@id=\"input-lastname\"]"));
msg.sendKeys("I Want the product to be good");

WebElement amt=driver.findElement(By.xpath("//*[@id=\"input-password\"]"));
amt.sendKeys("3");
Thread.sleep(4000);

driver.findElement(By.xpath("//*[@id=\"form-register\"]/div/div/div/input")).click();
//Thread.sleep(4000);
driver.findElement(By.xpath("//*[@id=\"form-register\"]/div/div/button")).click();

}

}
```

```
<terminated> CE_3 (1) [Java Application] C:\Users\uthik\Downloads\eclipse-java-2022-09-R-win32-x86_64\eclipse\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64.17.0.4.v20220903-1038\jre\bin\javaw.exe (01-May-2023, 8:17:44 pm - 8:17:51 pm)
SLF4J: No SLF4J providers were found.
SLF4J: Defaulting to no-operation (NOP) logger implementation
SLF4J: See https://www.slf4j.org/codes.html#noProviders for further details.
Starting ChromeDriver 112.0.5615.49 (bd2a7bcb881c1e8cfe3078709382934e3916914-refs/branch-heads/5615@(#936)) on port 38498
Only local connections are allowed.
Please see https://chromedriver.chromium.org/security-considerations for suggestions on keeping ChromeDriver safe.
ChromeDriver was started successfully.
```

Task 04: Web Navigation Commands

- Open the Page: <https://j2store.net/free/>
- Maximize the Screen
- Click on the Clothing link.
- Navigating backward in browser history
- Navigating forward in browser history
- Refresh/ Reload a web page
- Close the Browser

CODE:

```
package uth.Day44;

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.chrome.ChromeOptions;

import io.github.bonigarcia.wdm.WebDriverManager;

public class CE_4 {

    public static void main(String[] args) throws InterruptedException {
        // TODO Auto-generated method stub
        ChromeOptions co=new ChromeOptions();
        co.addArguments("--remote-allow-origins=*");
        WebDriverManager.chromedriver().setup();
        WebDriver driver=new ChromeDriver(co);
        driver.navigate().to("https://j2store.net/free/");

        driver.manage().window().maximize();
        Thread.sleep(10000);

        driver.findElement(By.linkText("Clothing (5)")).click();
        driver.navigate().back();
        driver.navigate().forward();
        driver.navigate().refresh();

        driver.close();
    }
}
```

```
}  
  
}
```

OUTPUT:

```
1 package uth.Day44;  
2  
3 import org.openqa.selenium.By;  
4  
5  
6  
7  
8  
9  
10 public class CE_4 {  
11  
12     public static void main(String[] args) throws InterruptedException {  
13         // TODO Auto-generated method stub  
14         ChromeOptions co=new ChromeOptions();  
15         co.addArguments("--remote-allow-origins=*");  
16         WebDriverManager.chromedriver().setup();  
17         WebDriver driver=new ChromeDriver(co);  
18         driver.navigate().to("https://j2store.net/free/");  
19  
20         driver.manage().window().maximize();  
21         Thread.sleep(10000);  
22  
23  
24         driver.findElement(By.linkText("Clothing (5)")).click();  
25         driver.navigate().back();  
26         driver.navigate().forward();  
27         driver.navigate().refresh();  
28  
29         driver.close();  
30  
31     }  
32 }  
33 }  
34 }
```

Problems Javadoc Declaration Console Coverage TestNG
<terminated> CE_4 (2) [Java Application] C:\Users\uthika\Downloads\eclipse-java-2022-09-R-win32-x86_64\eclipse\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_17.0.4.v20220903-1038\jre\bin\javaw.exe (01-May-2022)
SLF4J: Defaulting to no-operation (NOP) logger implementation
SLF4J: See https://www.slf4j.org/codes.html#noProviders for further details.
Starting ChromeDriver 112.0.5615.49 (bd2a7bcb881c11e8cfe3078709382934e3916914-refs/branch-heads/56150{#936}) on port 36395
Only local connections are allowed.
Please see https://chromedriver.chromium.org/security-considerations for suggestions on keeping ChromeDriver safe.
ChromeDriver was started successfully.

Task 05.1: Web Driver Commands

Perform the below step

- Open the Page: <https://j2store.net/free/>
- Get the URL of the Page
- Validate the URL of the Page is "https://j2store.net/free/"
- Click on the Clothing link.
- Get the URL of the Page
- Validate the URL of the Page is
https://j2store.net/free/index.php/shop?filter_catid=11

CODE:

```
package uth.Day45;

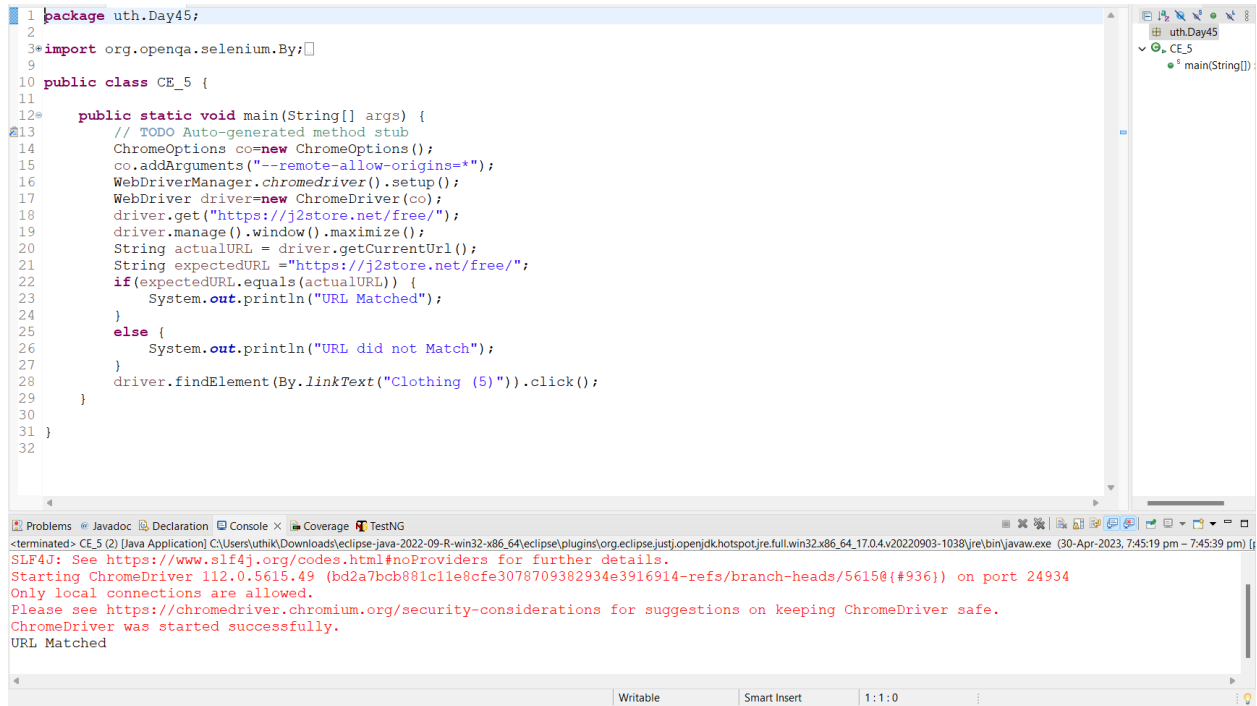
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.chrome.ChromeOptions;

import io.github.bonigarcia.wdm.WebDriverManager;

public class CE_5 {

    public static void main(String[] args) {
        // TODO Auto-generated method stub
        ChromeOptions co=new ChromeOptions();
        co.addArguments("--remote-allow-origins=*");
        WebDriverManager.chromedriver().setup();
        WebDriver driver=new ChromeDriver(co);
        driver.get("https://j2store.net/free/");
        driver.manage().window().maximize();
        String actualURL = driver.getCurrentUrl();
        String expectedURL ="https://j2store.net/free/";
        if(expectedURL.equals(actualURL)) {
            System.out.println("URL Matched");
        }
        else {
            System.out.println("URL did not Match");
        }
        driver.findElement(By.linkText("Clothing (5)").click());
    }
}
```

OUTPUT:



```
1 package uth.Day45;
2
3 import org.openqa.selenium.By;
4
5
6
7
8
9
10 public class CE_5 {
11
12     public static void main(String[] args) {
13         // TODO Auto-generated method stub
14         ChromeOptions co=new ChromeOptions();
15         co.addArguments("--remote-allow-origins=*");
16         WebDriverManager.chromedriver().setup();
17         WebDriver driver=new ChromeDriver(co);
18         driver.get("https://j2store.net/free/");
19         driver.manage().window().maximize();
20         String actualURL = driver.getCurrentUrl();
21         String expectedURL = "https://j2store.net/free/";
22         if(expectedURL.equals(actualURL)) {
23             System.out.println("URL Matched");
24         }
25         else {
26             System.out.println("URL did not Match");
27         }
28         driver.findElement(By.LinkText("Clothing (5)")).click();
29     }
30 }
31
32
```

Problems | Javadoc | Declaration | Console | Coverage | TestNG

<terminated> CE_5 (2) [Java Application] C:\Users\uthika\Downloads\ eclipse-java-2022-09-R-win32-x86_64\ eclipse\plugins\org.eclipse.justi.openjdk hotspot.jre.full.win32.x86_64_17.0.4.v20220903-1038\jre\bin\javaw.exe (30-Apr-2023, 7:45:19 pm - 7:45:39 pm) [

SLF4J: See <https://www.slf4j.org/codes.html#noProviders> for further details.

Starting ChromeDriver 112.0.5615.49 (bd2a7bcb881c1e8cfe3078709382934e3916914-refs/branch-heads/56158/#936) on port 24934

Only local connections are allowed.

Please see <https://chromedriver.chromium.org/security-considerations> for suggestions on keeping ChromeDriver safe.

ChromeDriver was started successfully.

URL Matched

Task 5.2: Web Driver Commands

- Open the Page: <https://j2store.net/free/>
- Click on the Clothing link.
- Print all the name of the item displayed on the screen using findElements Method.
 - Eg: Simple,Variable,T-Shirt1

CODE:

```
package uth.Day45;
```

```
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;
```

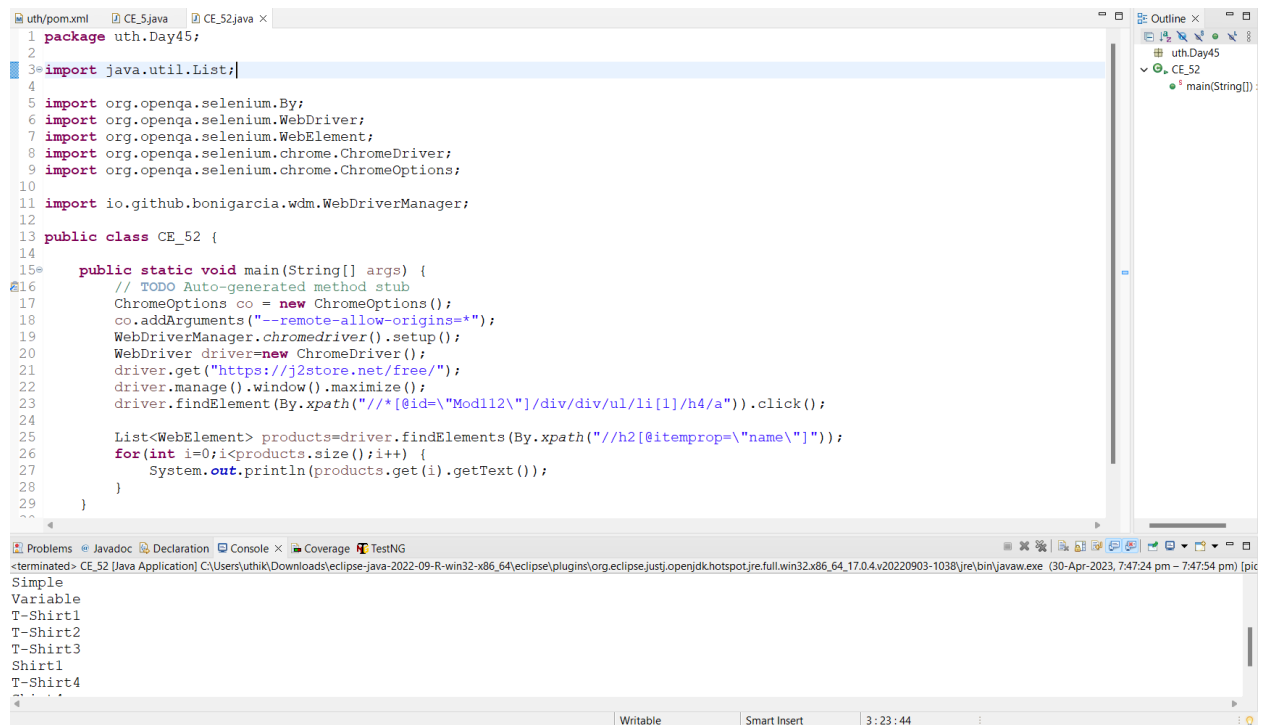
```
import org.openqa.selenium.chrome.ChromeOptions;
```

```
import io.github.bonigarcia.wdm.WebDriverManager;
```

```
public class CE_52 {
```

```
        public static void main(String[] args) {  
            // TODO Auto-generated method stub  
            ChromeOptions co = new ChromeOptions();  
            co.addArguments("--remote-allow-origins=*");  
            WebDriverManager.chromedriver().setup();  
            WebDriver driver=new ChromeDriver();  
            driver.get("https://j2store.net/free/");  
            driver.manage().window().maximize();  
            driver.findElement(By.xpath("//*[@id=\"Mod112\"]/div/div/ul/li[1]/h4/a")).click();  
  
            List<WebElement> products=driver.findElements(By.xpath("//h2[@itemprop=\"name\"]"));  
            for(int i=0;i<products.size();i++) {  
                System.out.println(products.get(i).getText());  
            }  
        }  
    }  
}
```

OUTPUT:



The screenshot displays the Eclipse IDE interface. The main editor window shows a Java file named `CE_52.java` with the following code:

```
1 package uth.Day45;  
2  
3 import java.util.List;  
4  
5 import org.openqa.selenium.By;  
6 import org.openqa.selenium.WebDriver;  
7 import org.openqa.selenium.WebElement;  
8 import org.openqa.selenium.chrome.ChromeDriver;  
9 import org.openqa.selenium.chrome.ChromeOptions;  
10  
11 import io.github.bonigarcia.wdm.WebDriverManager;  
12  
13 public class CE_52 {  
14  
15     public static void main(String[] args) {  
16         // TODO Auto-generated method stub  
17         ChromeOptions co = new ChromeOptions();  
18         co.addArguments("--remote-allow-origins=*");  
19         WebDriverManager.chromedriver().setup();  
20         WebDriver driver=new ChromeDriver();  
21         driver.get("https://j2store.net/free/");  
22         driver.manage().window().maximize();  
23         driver.findElement(By.xpath("//*[@id=\"Mod112\"]/div/div/ul/li[1]/h4/a")).click();  
24  
25         List<WebElement> products=driver.findElements(By.xpath("//h2[@itemprop=\"name\"]"));  
26         for(int i=0;i<products.size();i++) {  
27             System.out.println(products.get(i).getText());  
28         }  
29     }  
30 }
```

The right-hand side of the IDE shows the 'Outline' view, which lists the package `uth.Day45` and the class `CE_52`, with a single method `main(String[] args)` listed under the class.

The bottom of the IDE shows the 'Console' view, which displays the output of the program:

```
<terminated> CE_52 [Java Application] C:\Users\uthika\Downloads\eclipse-java-2022-09-R-win32-x86_64\eclipse\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64.17.0.4.v20220903-1038\jre\bin\javaw.exe (30-Apr-2023, 7:47:24 pm - 7:47:54 pm) [pic  
Simple  
Variable  
T-Shirt1  
T-Shirt2  
T-Shirt3  
Shirt1  
T-Shirt4  
...
```

The status bar at the bottom indicates the file is 'Writable', 'Smart Insert' is enabled, and the time is 3:23:44.