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CA-1

1) i)

```
package com.testcase;

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;

/**

* Hello world!

*

*/

public class App

{

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

{

ChromeOptions co=new ChromeOptions();

co.addArguments ("--remote-allow-origins=*");

WebDriverManager.chromedriver().setup ();

WebDriver driver=new ChromeDriver();
```

```
driver.get("https://www.amazon.in/");

Thread.sleep(2000);

driver.manage().window().maximize();

driver.findElement(By.xpath("//*[@id=\"twotabsearchtextbox\"]")).click();

driver.findElement(By.xpath("//*[@id=\"twotabsearchtextbox\"]")).sendKeys("fossil watches");

driver.findElement(By.xpath("//*[@id=\"nav-search-submit-button\"]")).click();

Thread.sleep(2000);

driver.navigate().to("https://www.amazon.in/Fossil-Smartwatch-Snapdragon-Smartphone-Notifications/dp/B09DGS966L/ref=sr_1_25?crid=2LOQNXJII74SZ&keywords=fossil+watches&qid=1681295284&sprefix=fossil+watche%2Caps%2C405&sr=8-25") ;

driver.findElement(By.xpath("//*[@id=\"add-to-cart-button\"]")).click();

WebElement cart=driver.findElement(By.xpath("//*[@id=\"nav-cart-count\"]"));

if(cart.getText().equals("1")) {

System.out.print("Added to cart is working successfully");

}else {

System.out.print("Added to cart is not working successfully");

}

}

}
```

Output:

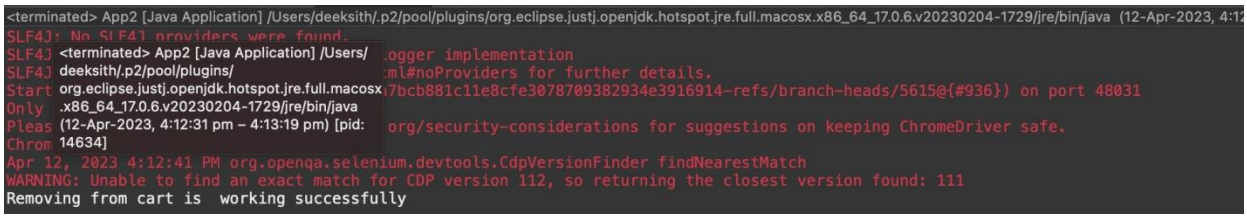
```
<terminated> App (1) [Java Application] /Users/deeksith/.p2/pool/plugins/org.eclipse.justj.openjdk.hotspot.jre.full.macosx.x86_64_17.0.6.v20230204-1729/jre/bin/java  (12-Apr-2023, 3
SLF4J: No SLF4J providers were found.
SLF4J: Defaulting to no-operation (NOP) logger implementation
SLF4J: See https://www.slf4j.org/codes.html#noProviders for further details.
Starting ChromeDriver 112.0.5615.49 (bd2a7bcb881c11e8cfe3078709382934e3916914-refs/branch-heads/5615@{#936}) on port 8303
Only local connections are allowed.
Please see https://chromedriver.chromium.org/security-considerations for suggestions on keeping ChromeDriver safe.
ChromeDriver was started successfully.
Apr 12, 2023 3:53:59 PM org.openqa.selenium.devtools.CdpVersionFinder findNearestMatch
WARNING: Unable to find an exact match for CDP version 112, so returning the closest version found: 111
Added to cart is working successfully
```

ii)

```java
package com.testcase;

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 App2 {

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

ChromeOptions co=new ChromeOptions();

co.addArguments("--remote-allow-origins=*");

WebDriverManager.chromedriver().setup();

WebDriver driver=new ChromeDriver();

driver.get("https://www.amazon.in/");

Thread.sleep(2000);

driver.findElement(By.xpath("//*[@id=\"twotabsearchtextbox\"]")).click();

driver.findElement(By.xpath("//*[@id=\"twotabsearchtextbox\"]")).sendKeys("fossil watches");

driver.findElement(By.xpath("//*[@id=\"nav-search-submit-button\"]")).click();
```

```
Thread.sleep(2000);

driver.navigate().to("https://www.amazon.in/Fossil-Smartwatch-Snapdragon-Smartphone-Notifications/dp/B09DGS966L/ref=sr_1_25?crid=2LOQNXJII74SZ&keywords=fossil+watches&qid=1681295284&sprefix=fossil+watche%2Caps%2C405&sr=8-25") ;

driver.findElement(By.xpath("//*[@id=\"add-to-cart-button\"]")).click();

driver.navigate().to("https://www.amazon.in/gp/cart/view.html?ref_=nav_cart");

Thread.sleep(2000);

WebElement cart=driver.findElement(By.xpath("/html/body/div[1]/div[2]/div[3]/div[5]/div/div[2]/div[1]/div/form/div[2]/div[3]/div[4]/div/div[2]/div[1]/span[1]/span/span[1]/span/span/span/span/span[2]"));

if(cart.getText().equals("0")) {

System.out.print("Removing from cart is working successfully");

}else {

System.out.print("Removing from cart is not working successfully");

}

}

}
```

Output:

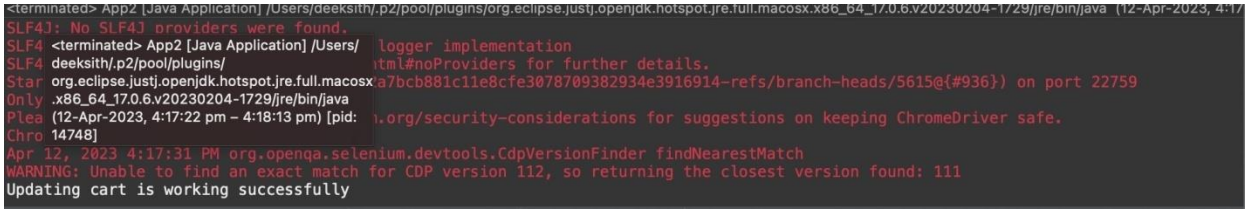


iii)

```
package com.testcase;

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 App2 {

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

ChromeOptions co=new ChromeOptions();

co.addArguments("--remote-allow-origins=*");

WebDriverManager.chromedriver().setup();

WebDriver driver=new ChromeDriver();

driver.get("https://www.amazon.in/");

Thread.sleep(2000);

driver.findElement(By.xpath("//*[@id=\"twotabsearchtextbox\"]")).click();

driver.findElement(By.xpath("//*[@id=\"twotabsearchtextbox\"]")).sendKeys("fossil watches");

driver.findElement(By.xpath("//*[@id=\"nav-search-submit-button\"]")).click();

Thread.sleep(2000);

driver.navigate().to("https://www.amazon.in/Fossil-Smartwatch-Snapdragon-Smartphone-Notifications/dp/B09DGS966L/ref=sr_1_25?crid=2LOQNXJII74SZ&keywords=fossil+watches&qid=1681295284&sprefix=fossil+watche%2Caps%2C405&sr=8-25") ;
```

```
driver.findElement(By.xpath("//*[@id=\"add-to-cart-button\"]")).click();

driver.navigate().to("https://www.amazon.in/gp/cart/view.html?ref_=nav_cart"
);

driver.findElement(By.xpath("//*[@id=\"a-autoid-0\"]")).click();

driver.findElement(By.xpath("//*[@id=\"quantity_2\"]")).click();

Thread.sleep(2000);

WebElement
cart=driver.findElement(By.xpath("//*[@id=\"nav-cart-count\"]"));

if(cart.getText().equals("2")) {

System.out.print("Updating cart is working successfully");

}else {

System.out.print("Updating cart is not working successfully");

}

}

}
```

Output:



iv)

```
package com.testcase;

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 App2 {

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

ChromeOptions co=new ChromeOptions();

co.addArguments("--remote-allow-origins=*");

WebDriverManager.chromedriver().setup();

WebDriver driver=new ChromeDriver();

driver.get("https://www.amazon.in/");

Thread.sleep(2000);

driver.findElement(By.xpath("//*[@id=\"twotabsearchtextbox\"]")).click();

driver.findElement(By.xpath("//*[@id=\"twotabsearchtextbox\"]")).sendKeys("f
ossil watches");

driver.findElement(By.xpath("//*[@id=\"nav-search-submit-button\"]")).click();

Thread.sleep(2000);

driver.navigate().to("https://www.amazon.in/Fossil-Smartwatch-Snapdragon-
Smartphone-Notifications/dp/B09DGS966L/ref=sr_1_25?crid=2LOQNXJII74SZ
&keywords=fossil+watches&qid=1681295284&sprefix=fossil+watche%2Caps%2
C405&sr=8-25") ;

driver.findElement(By.xpath("//*[@id=\"add-to-cart-button\"]")).click();

driver.findElement(By.xpath("//*[@id=\"sc-buy-box-ptc-button\"]/span/input"))
.click();
```

```
WebElement
ele=driver.findElement(By.xpath("//*[@id=\"authportal-main-section\"]/div[2]/
div/div[1]/form/div/div/div/h1"));

String actual=ele.getText();

System.out.println(actual);

String expected="Sign in";

if(actual.equals(expected)) {

System.out.print("Navigated to sigin page");

}

}

}
```

Output:

```
<terminated> TC_001 [Java Application] /Users/shyam/.p2/pool/plugins/org.eclipse.justj.openjdk.hotspot.jre.full.macosx.x86_64_17.0.6.v20230204-1729/jre/bin/java
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 146
Only local connections are allowed.
Please see https://chromedriver.chromium.org/security-considerations for suggestions on keeping ChromeDriver safe.
ChromeDriver was started successfully.
Apr 12, 2023 3:12:14 PM org.openqa.selenium.devtools.CdpVersionFinder findNearestMatch
WARNING: Unable to find an exact match for CDP version 112, so returning the closest version found: 111
Navigated to sigin page
```

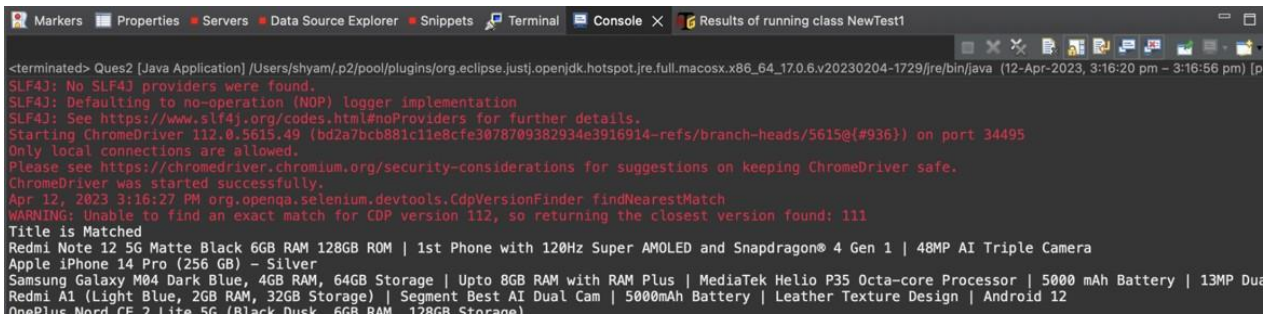
2)

```
package com.testcase;

import java.util.List;

import org.openqa.selenium.By;

import org.openqa.selenium.Keys;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;
```

```java
import org.openqa.selenium.chrome.ChromeDriver;

import org.openqa.selenium.chrome.ChromeOptions;

import io.github.bonigarcia.wdm.WebDriverManager;

public class App2 {

public static void main( String[] args ){

ChromeOptions co=new ChromeOptions();

co.addArguments("--remote-allow-origins=*");

WebDriverManager.chromedriver().setup();//setting up chrome driver

WebDriver driver=new ChromeDriver();

driver.get("https://www.amazon.in");

driver.findElement(By.xpath("//*[@id=\"twotabsearchtextbox\"]")).sendKeys("S
hoes");

driver.findElement(By.xpath("//*[@id=\"twotabsearchtextbox\"]")).sendKeys(K
eys.ENTER);

String a=driver.getTitle();

if(a.equals("Amazon.in : Shoes")) {

System.out.println("Title is Matched\n");

}

else {

System.out.println("Title is Mismatched");

}

List<WebElement> li=driver.findElements(By.className("s-line-clamp-2"));

for(int i=0;i<5;i++) {
```

```
System.out.println(li.get(i).getText());

}

driver.findElement(By.xpath("//*[@id=\"p_36/1318505031\"]/span/a/span")).click
();

WebElement
b=driver.findElement(By.xpath("//*[@id=\"search\"]/div[1]/div[1]/div/span[1]/div[
1]/div[2]/div/div/div/div/div/div/div/div[2]/div/div/div[3]/div[1]/div/div[1]/div[2]/a/sp
an[1]/span[2]/span[2]"));

System.out.print("Price 2,000-10,000 :"+b.getText());

driver.findElement(By.xpath("//*[@id=\"p_89/Samsung\"]/span/a/div/label/i")).c
lick();

WebElement
c=driver.findElement(By.xpath("//*[@id=\"search\"]/div[1]/div[1]/div/span[1]/div[1
]/div[2]/div/div/div/div/div/div[2]/div/div/div[1]/h2/a/span"));

System.out.print("Price 2,000-10,000 & Puma: "+ c.getText());

}

}
```

Output:



3)

```
package CIA1;

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 Q1_4 {
public static void main(String[] args) throws InterruptedException {
ChromeOptions co=new ChromeOptions();
co.addArguments("--remote-allow-origins=*");
WebDriverManager.chromedriver().setup();
WebDriver driver=new ChromeDriver();
driver.get("https://www.amazon.in/");
Thread.sleep(2000);
driver.findElement(By.xpath("//*[@id=\"twotabsearchtextbox\"]")).click();
driver.findElement(By.xpath("//*[@id=\"twotabsearchtextbox\"]")).sendKeys("Fastra
ck Watches");
driver.findElement(By.xpath("//*[@id=\"nav-search-submit-button\"]")).click();
Thread.sleep(2000);
driver.navigate().to("https://www.amazon.in/Fastrack-Analog-Black-Dial-Watch-
NK3147KM01/dp/B01GDWNV86/ref=sxin_25_recs_zoco_stores_brand_identity_bs?co
ntent-id=amzn1.sym.336d1ffc-1bb0-4002-950e-
c5a1ab177cef%3Aamzn1.sym.336d1ffc-1bb0-4002-950e-
c5a1ab177cef&cv_ct_cx=fastrack+watches&keywords=fastrack+watches&pd_rd_i=B
01GDWNV86&pd_rd_r=81d9e00c-a0b9-4748-9686-
95f3284f5634&pd_rd_w=TDJiM&pd_rd_wg=xMnMt&pf_rd_p=336d1ffc-1bb0-4002-
950e-
c5a1ab177cef&pf_rd_r=7VGPGC1B5V9ZYC4PH2NM&qid=1683192870&sbo=RZvfv%2
F%2FHxDF%2BO5021pAnSA%3D%3D&sr=1-1-0723f66e-ff99-43ba-a202-
1be1089a8603") ;

driver.findElement(By.xpath("//*[@id=\"add-to-cart-button\"]")).click();
driver.findElement(By.xpath("//*[@id=\"sc-buy-box-ptc-button\"]/span/input"))
.click();
WebElement
ele=driver.findElement(By.xpath("//*[@id=\"authportal-main-
section\"]/div[2]/div/div[1]/form/div/div/div/h1"));
String sample=ele.getText();
System.out.println(sample);
String actual="Sign in";
if(sample.equals(actual)) {
System.out.print("CheckOut process is done successfully");
}
}
}
```

Output:

```
SLF4J: Failed to load class "org.slf4j.impl.StaticLoggerBinder".
SLF4J: Defaulting to no-operation (NOP) logger implementation
SLF4J: See http://www.slf4j.org/codes.html#StaticLoggerBinder for further details.
ERROR StatusLogger Log4j2 could not find a logging implementation. Please add
log4j-core to the classpath. Using SimpleLogger to log to the console...
Starting ChromeDriver 112.0.5615.49
(bd2a7bcb881c11e8cfe3078709382934e3916914-refs/branch-heads/5615@{#936})
on port 23755
Only local connections are allowed.
Please see https://chromedriver.chromium.org/security-considerations for
suggestions on keeping ChromeDriver safe.
ChromeDriver was started successfully.
Sign in
CheckOut process is done successfully
```