

2.1 Task

- Please try to configure Chrome Browser and navigate to <https://www.amazon.in/>
- Search for Laptops.
- Print the total number of links on the page.

Also print the link and link text of the page.

2.2 Code with comments

```
package selenium;

import java.util.List;
import java.util.concurrent.TimeUnit;

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

public class Amazon {

    public static void main(String[] args) {

        System.setProperty("webdriver.chrome.driver",
"./drivers/chromedriver.exe");
        WebDriver driver=new ChromeDriver();
        //implicit wait
        driver.manage().timeouts().implicitlyWait(10, TimeUnit.SECONDS);
        //Maximizing the window
        driver.manage().window().maximize();
        //navigate to the url
        driver.get("https://www.amazon.in/");

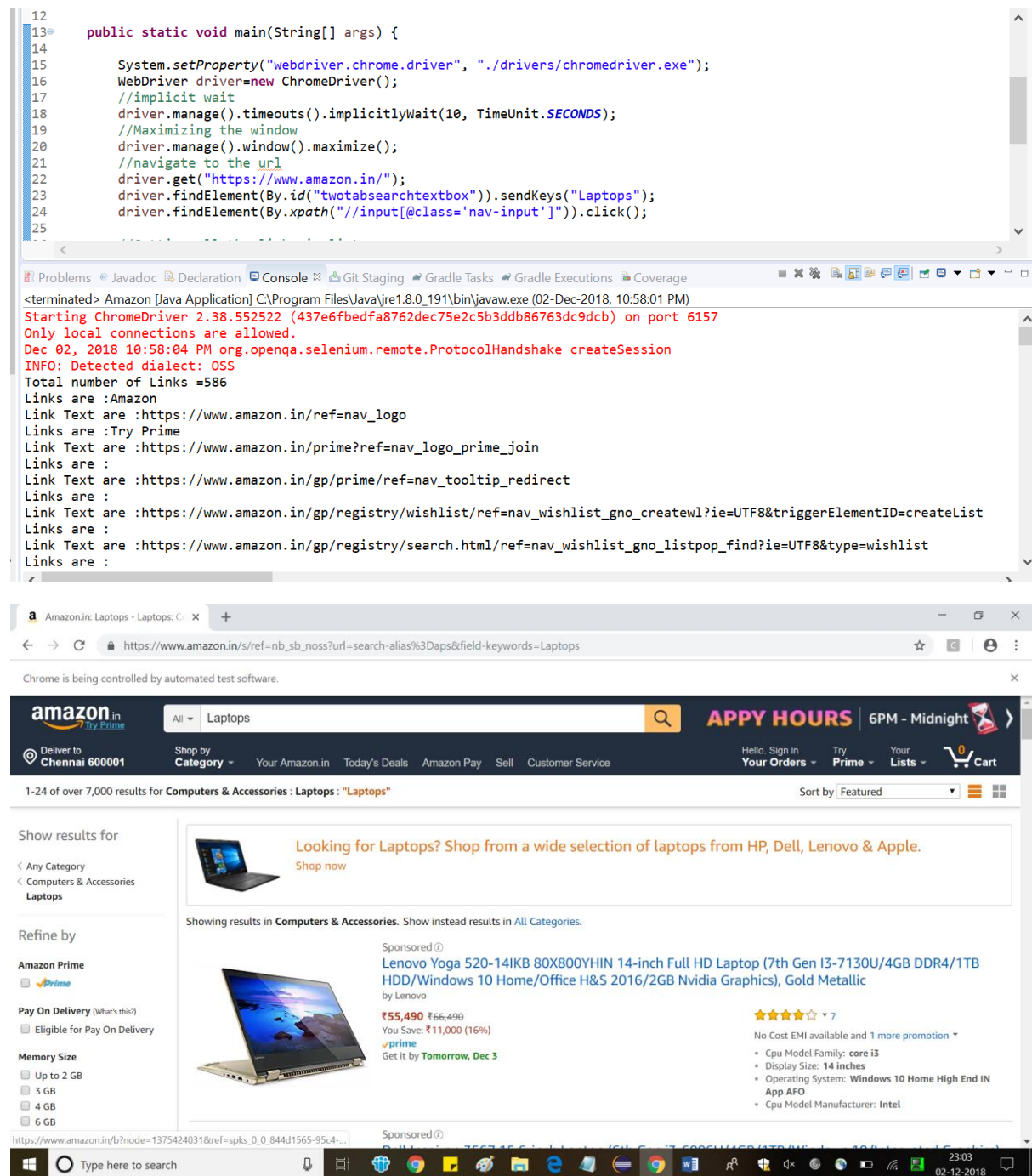
        driver.findElement(By.id("twotabsearchtextbox")).sendKeys("Laptops");
        driver.findElement(By.xpath("//input[@class='nav-input']")).click();

        //Getting all the links in list
        List tags = driver.findElements(By.tagName("a"));
        //Printing total number of links
        System.out.println("Total number of Links =" +tags.size());
        //Iterating to all the links
        for(int i=1;i<tags.size();i++)
        {
            //Printing all links and linktext
            System.out.println("Links are :"+tags.get(i).getText());
            System.out.println("Link Text are
:"+tags.get(i).getAttribute("href"));
        }

    }

}
```

2.3 Output



The screenshot displays the Selenium WebDriver execution output in the console and the resulting Amazon website page.

Console Output:

```
12
13 public static void main(String[] args) {
14
15     System.setProperty("webdriver.chrome.driver", "./drivers/chromedriver.exe");
16     WebDriver driver=new ChromeDriver();
17     //implicit wait
18     driver.manage().timeouts().implicitlyWait(10, TimeUnit.SECONDS);
19     //Maximizing the window
20     driver.manage().window().maximize();
21     //navigate to the url
22     driver.get("https://www.amazon.in/");
23     driver.findElement(By.id("twotabsearchtextbox")).sendKeys("Laptops");
24     driver.findElement(By.xpath("//input[@class='nav-input']")).click();
25 }
```

Console Log:

```
<terminated> Amazon [Java Application] C:\Program Files\Java\jre1.8.0_191\bin\javaw.exe (02-Dec-2018, 10:58:01 PM)
Starting ChromeDriver 2.38.552522 (437e6fbedfa8762dec75e2c5b3ddb86763dc9dcb) on port 6157
Only local connections are allowed.
Dec 02, 2018 10:58:04 PM org.openqa.selenium.remote.ProtocolHandshake createSession
INFO: Detected dialect: OSS
Total number of Links =586
Links are :Amazon
Link Text are :https://www.amazon.in/ref=nav_logo
Links are :Try Prime
Link Text are :https://www.amazon.in/prime?ref=nav_logo_prime_join
Links are :
Link Text are :https://www.amazon.in/gp/prime/ref=nav_tooltip_redirect
Links are :
Link Text are :https://www.amazon.in/gp/registry/wishlist/ref=nav_wishlist_gno_createwl?ie=UTF8&triggerElementID=createList
Links are :
Link Text are :https://www.amazon.in/gp/registry/search.html/ref=nav_wishlist_gno_listpop_find?ie=UTF8&type=wishlist
Links are :
```

Browser View:

The browser shows the Amazon India homepage with the search bar containing "Laptops". The search results page displays "1-24 of over 7,000 results for Computers & Accessories: Laptops: 'Laptops'". The top result is a sponsored advertisement for the Lenovo Yoga 520-14IKB 80X800YHIN 14-inch Full HD Laptop, priced at ₹55,490 (16% off from ₹66,490). The page also shows filters for Amazon Prime, Pay On Delivery, and Memory Size.