DAY 4 SELENIUM WEB DRIVER
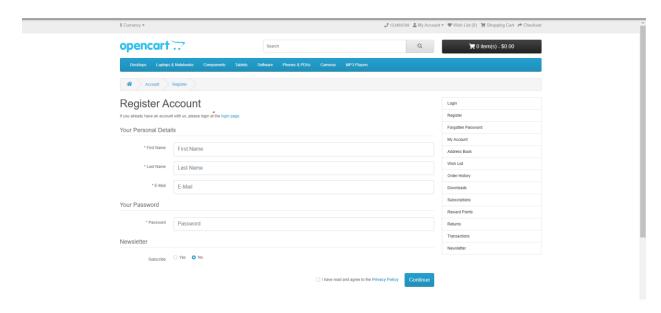
Task 01: Selenium Commands

Code:

```
1  package com.selenium;
2
3  import org.openqa.selenium.WebDriver;
6
7
8  public class TEST1 {
9      public static void main(String[] args) {
0
1          System.setProperty("webdriver.chrome.driver","E:\\Program Softwares\\chromedriver_win32\\chromedriver.exe");
2          ChromeOptions co=new ChromeOptions();
3          co.addArguments("--remote-allow-origins=*");
4          WebDriver driver=new ChromeDriver(co);
5          driver.get("https://demo.opencart.com/index.php?route=account/register&language=en-gb/");
6
7      }
8
9  }
```

Output:

Task 02: Locators

Code:


```java
package com.selenium;

import org.openqa.selenium.By;

public class TEST2 {
    public static void main(String[] args) {
        // TODO Auto-generated method stub
        //WebDriverManager.chromedriver
        System.setProperty("webdriver.chrome.driver","E:\\Program Softwares\\chromedriver_win32\\chromedriver.exe"
        ChromeOptions co=new ChromeOptions();
        co.addArguments("--remote-allow-origins=*");
        WebDriver driver=new ChromeDriver(co);
        driver.get("https://demo.opencart.com/index.php?route=account/register&language=en-gb/");
        WebElement fname=driver.findElement(By.id("input-firstname"));
        fname.sendKeys("firstname");
        WebElement lname=driver.findElement(By.id("input-lastname"));
        lname.sendKeys("lastname");
        WebElement email=driver.findElement(By.id("input-email"));
        email.sendKeys("email");
        WebElement password=driver.findElement(By.id("input-password"));
        password.sendKeys("password");
        JavascriptExecutor js=(JavascriptExecutor)driver;
        js.executeScript("window.scrollBy (0,250)","");
        WebElement yesbutton=driver.findElement (By.id("input-newsletter-yes"));
        yesbutton.click();


    }
}
```

Output:

Task 03: Locators Using xpath:

Code:

```
 TEST3.java ×
  1 package com.selenium;
  2
  3 import org.openqa.selenium.By;
  9
 10
 11 public class TEST3 {
 12     public static void main(String[] args) {
 13
 14         System.setProperty("webdriver.chrome.driver","E:\\Program Softwares\\chromedriver_win32\\chromedriver.exe"
 15         ChromeOptions co=new ChromeOptions();
 16         co.addArguments("--remote-allow-origins=*");
 17         WebDriver driver=new ChromeDriver(co);
 18         driver.get("https://demo.opencart.com/index.php?route=checkout/voucher&language=en-gb");
 19         WebElement rname=driver.findElement(By.xpath("//*[@id=\"input-to-name\"]"));
 20         rname.sendKeys("recipient name");
 21         WebElement email=driver.findElement(By.xpath("//*[@id=\"input-to-email\"]"));
 22         email.sendKeys("recipient email");
 23         WebElement yname=driver.findElement(By.xpath("//*[@id=\"input-from-name\"]"));
 24         yname.sendKeys("your name");
 25         WebElement yemail=driver.findElement(By.xpath("//*[@id=\"input-from-email\"]"));
 26         yemail.sendKeys("your email");
 27         WebElement daybutton=driver.findElement (By.xpath("//*[@id=\"input-theme-7\"]"));
 28         daybutton.click();
 29         WebElement message=driver.findElement(By.xpath("//*[@id=\"input-message\"]"));
 30         message.sendKeys("messages are many");
 31         WebElement amount=driver.findElement(By.xpath("//*[@id=\"input-amount\"]"));
 32         amount.sendKeys("1 is enough");
 33
 34     }
 35
 36 }
```
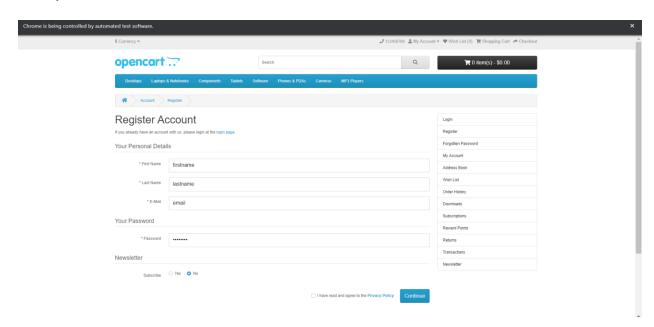
Output:

Task 04: Web Navigation Commands:

Code:

```java
package com.selenium;

import org.openqa.selenium.By;☐

public class TEST4 {

    public static void main(String[] args) {



        System.setProperty("webdriver.chrome.driver","E:\\Program Softwares\\chromedriver_win32\\chromedriver.ex

        ChromeOptions co=new ChromeOptions();
        co.addArguments("--remote-allow-origins=*");
        WebDriver driver=new ChromeDriver(co);
        driver.get("https://j2store.net/free/");
        WebElement clothing=driver.findElement(By.xpath("//*[@id=\"Mod112\"]/div/div/ul/li[1]"));
        clothing.click();
        driver.manage().window().maximize();
        driver.navigate().back();
        driver.navigate().forward();
        driver.navigate().refresh();
        driver.close();

    }
}
```

Output:

Task 05: Web Driver Commands

Code (i):

```java
5  import org.openqa.selenium.By;
10
11
12 public class TEST5i {
13
14
15      public static void main(String[] args) {
16
17
18          System.setProperty("webdriver.chrome.driver","E:\\Program Softwares\\chromedriver_win32\\chromedriver.exe
19
20          ChromeOptions co=new ChromeOptions();
21          co.addArguments("--remote-allow-origins=*");
22          WebDriver driver=new ChromeDriver(co);
23          driver.get("https://j2store.net/free/");
24          String url1=driver.getCurrentUrl();
25          if(url1.equals("https://j2store.net/free/"))
26          {
27           System.out.println("Url validated");
28          }
29          WebElement clothing=driver.findElement(By.xpath("//*[@id=\"Mod112\"]/div/div/ul/li[1]"));
30          clothing.click();
31          url1=driver.getCurrentUrl();
32          if(url1.equals("https://j2store.net/free/index.php/shop?filter_catid=11"))
33          {
34           System.out.println("Url validated");
35          }
36      }
37
38 }
```

Output (i):

```
bLF40: 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 32013
Only local connections are allowed.
Please see https://chromedriver.chromium.org/security-considerations for suggestions on keeping ChromeDriver safe.
ChromeDriver was started successfully.
Url validated
Url validated
```

Code(ii):

```java
1  package com.selenium;
2
3  import java.util.List;
11
12 public class TEST5ii {
13      public static void main(String[] args) throws InterruptedException {
14
15
16          System.setProperty("webdriver.chrome.driver","E:\\Program Softwares\\chromedriver_win32\\chromedriver.ex
17
18
19          ChromeOptions co=new ChromeOptions();
20          co.addArguments("--remote-allow-origins=*");
21          WebDriver driver=new ChromeDriver(co);
22          driver.get("https://j2store.net/free/");
23          driver.manage().window().maximize();
24          JavascriptExecutor js=(JavascriptExecutor)driver;
25          js.executeScript("window.scrollBy(0,1000)", "");
26          driver.findElement(By.linkText("Clothing (5)")).click();
27          Thread.sleep(5000);
28          List<WebElement> l1=driver.findElements(By.xpath("//h2[@class='product-title']"));
29          for(WebElement link:l1){
30          System.out.println(link.getText());
31          }
32
33
34      }
35
36
37 }
```

Output(ii):