

Week 1:

Download and Install JAVA, Associate SWD Jars and Browser drivers.

Week 2:

Launch Mercury Tour website

- | | |
|---|----------------|
| a) Click Register link to get registration page | b) Fill fields |
| c) Click submit | d) Close site |

Week 3:

Write a code to search a specific month in the Face book registration page (Birthday).

Week 4:

Write a program which pops out an alert message in frame in personal banking login page.

Week 5:

Write a test case to search result section on CMRIT Website.

Week 6:

Write a test case to perform automation on Ajio shopping website.

Week 7:

Write a program in web driver to open Google and search CMRIT.

Week 8:

Write test case to open Google and download a image from Google images of cmrit website.

Week 9:

Write test case to get number of list items in a list.

Week 10:

Write test case for validation in Gmail registration page.

Week11:

Write test case for myntra sign in page.

Week12:

Write test case to convert PDF from word.

Week 2(Mercury Home Tour)

```
package week02;

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.interactions.Actions;

public class Mercury {

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

        System.setProperty("webdriver.chrome.driver", "F:\\Lab\\chromedriver-win64\\chromedriver-win64\\chromedriver.exe");

        WebDriver driver=new ChromeDriver();
        driver.manage().window().maximize();
        driver.get("https://www.mercurytravels.co.in/");
        Thread.sleep(2000);
        Actions builder = new Actions(driver);
        WebElement customerLogin = driver.findElement(By.xpath("(//a[normalize-space()='Customer Login'])[2]"));
        builder.moveToElement(customerLogin).perform();
        Thread.sleep(2000);
        WebElement register = driver.findElement(By.xpath("(//a[normalize-space()='Register'])[2]"));
        register.click();
        Thread.sleep(2000);
        WebElement firstName = driver.findElement(By.id("acc_first_name"));
        firstName.sendKeys("DeekshithChary");
        Thread.sleep(2000);
        WebElement lastName = driver.findElement(By.id("acc_last_name"));
        lastName.sendKeys("P");
        Thread.sleep(2000);
        WebElement emailId = driver.findElement(By.id("acc_user_email"));
        emailId.sendKeys("Deekshithchary0607@gmail.com");
        Thread.sleep(2000);
        WebElement setPassword = driver.findElement(By.id("acc_user_password"));
        setPassword.sendKeys("12345");
        Thread.sleep(2000);
```

```

WebElement confirmPassword = driver.findElement(By.id("acc_user_passconf"));
confirmPassword.sendKeys("12345");
Thread.sleep(2000);
WebElement mobileNumber = driver.findElement(By.id("acc_mobile_no"));
mobileNumber.sendKeys("8124563783");
Thread.sleep(2000);
WebElement registerBtn = driver.findElement(By.xpath("(//button[normalize-space()='Register'])"));
registerBtn.click();
Thread.sleep(1000);
}
}

```

Week 03(Facebook Validation)

```

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.interactions.Actions;
import org.openqa.selenium.support.ui.Select;

public class FacebookReg {

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

        System.setProperty("webdriver.chrome.driver", "F:\\\\Lab\\\\Updated\\\\chromedriver-
win64\\\\chromedriver.exe");

        WebDriver driver=new ChromeDriver();
        driver.get("https://www.facebook.com/");
        Thread.sleep(200);
        driver.findElement(By.partialLinkText("Create new account")).click();
        Thread.sleep(500);
        driver.findElement(By.name("firstname")).sendKeys("ashu");
        Thread.sleep(500);
        WebElement surName = driver.findElement(By.name("lastname"));
        surName.sendKeys("kamatam");
        Thread.sleep(500);
        WebElement mobileNoOrEmailId= driver.findElement(By.name("reg_email__"));
        mobileNoOrEmailId.sendKeys("1234567890");
    }
}

```

```

Thread.sleep(500);
WebElement password = driver.findElement(By.name("reg_passwd__"));
password.sendKeys("123ashu");
Select dateDropdown = new Select(driver.findElement(By.name("birthday_day")));
dateDropdown.selectByValue("24");
Thread.sleep(500);
Select monthDropdown = new Select(driver.findElement(By.name("birthday_month")));
monthDropdown.selectByValue("12");
Thread.sleep(500);
Select yearDropdown = new Select(driver.findElement(By.name("birthday_year")));
yearDropdown.selectByValue("1996");
Thread.sleep(500);
WebElement femaleRadioBtn = driver.findElement(By.xpath("//label[normalize-
space()='Female']"));
femaleRadioBtn.click();
Thread.sleep(500);
WebElement signUpBtn = driver.findElement(By.name("websubmit"));
signUpBtn.click();
    }
}

```

Method-02

```

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.support.ui.Select;
public class FacebookReg01 {
    public static void main(String[] args) throws InterruptedException {
        System.setProperty("webdriver.chrome.driver", "F:\\Lab\\Updated\\chromedriver-
win64\\chromedriver.exe");
        WebDriver driver=new ChromeDriver();
        driver.get("https://www.facebook.com/");
        Thread.sleep(200);
        WebElement createAccount=driver.findElement(By.xpath("//a[normalize-
space()='Create new account']"));
    }
}

```

```

        createAccount.click();
        Thread.sleep(500);
        driver.findElement(By.name("firstname")).sendKeys("ashu");
        Thread.sleep(500);
        WebElement surName = driver.findElement(By.name("lastname"));
        surName.sendKeys("kamatam");
        Thread.sleep(500);
        WebElement mobileNoOrEmailId= driver.findElement(By.name("reg_email__"));
        mobileNoOrEmailId.sendKeys("1234567890");
        Thread.sleep(500);
        WebElement password = driver.findElement(By.name("reg_passwd__"));
        password.sendKeys("123ashu");
        Select dateDropdown = new Select(driver.findElement(By.name("birthday_day")));
        dateDropdown.selectByValue("24");
        Thread.sleep(500);
        Select monthDropdown = new Select(driver.findElement(By.name("birthday_month")));
        monthDropdown.selectByValue("12");
        Thread.sleep(500);
        Select yearDropdown = new Select(driver.findElement(By.name("birthday_year")));
        yearDropdown.selectByValue("1996");
        Thread.sleep(500);
        WebElement femaleRadioBtn = driver.findElement(By.xpath("(//label[normalize-
space()='Female'])[1]"));
        femaleRadioBtn.click();
        Thread.sleep(500);
        WebElement signUpBtn = driver.findElement(By.name("websubmit"));
        signUpBtn.click();

    }

}

```

Week 04(Popup Bank Notification)

```
import java.util.HashMap;
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 org.openqa.selenium.chrome.ChromeOptions;
public class Week04 {
    public static void main(String[] args) {
        HashMap<String, Object> prefs=new HashMap<String, Object>();
        prefs.put("profile.default_content_setting_values.notifications",0);
        ChromeOptions options=new ChromeOptions();
        options.setExperimentalOption("prefs", prefs);

        System.setProperty("webdriver.chrome.driver","F:\\\\Lab\\\\chromedriver\\\\chromedriver.exe");
        WebDriver driver=new ChromeDriver(options);
        driver.manage().window().maximize();
        driver.get("https://www.axisbank.com/");
        WebElement pop=driver.findElement(By.xpath("/html/body/div[1]/div[1]/div/span"));
        pop.click();
    }
}
```

Week 05(Cmrit Bees Results)

```
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
public class Week5 {
    public static void main(String[] args) throws InterruptedException {

        System.setProperty("webdriver.chrome.driver", "F:\\Lab\\chromedriver\\chromedriver.exe");
        WebDriver driver=new ChromeDriver();
        driver.manage().window().maximize();
        driver.get("https://cmritautonomous.org/beeserp/Login.aspx");
        WebElement userName=driver.findElement(By.name("txtUserName"));
        userName.sendKeys("20R01A05K6P");
        Thread.sleep(2000);
        WebElement nxtBtn=driver.findElement(By.name("btnNext"));
        nxtBtn.click();
        WebElement password=driver.findElement(By.name("txtPassword"));
        password.sendKeys("20R01A05K6P");
        Thread.sleep(2000);
        WebElement submit=driver.findElement(By.name("btnSubmit"));
        submit.click();
    }
}
```

Week-6 (Perform automation on Ajio shopping website)

```
import java.util.Iterator;
import java.util.Set;
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.support.ui.Select;

public class wk {

    public static void main(String[] args) throws InterruptedException {
        System.setProperty("webdriver.chrome.driver", "F:\\Lab\\Updated\\chromedriver-
win64\\chromedriver.exe");
        WebDriver driver=new ChromeDriver();
        driver.get("https://www.ajio.com/");
        Thread.sleep(2000);
        WebElement ajioLink = driver.findElement(By.xpath("//span[normalize-space()='Sign In / Join
        AJIO']"));
        ajioLink.click();
        Thread.sleep(2000);
        WebElement facebookBtn = driver.findElement(By.xpath("//span[normalize-
        space()='Facebook']"));
        facebookBtn.click();
        Thread.sleep(2000);
        Set<String> parentWindow = driver.getWindowHandles();
        Iterator iterator = parentWindow.iterator();
        while(iterator.hasNext())
        {
            String childWindow = (String) iterator.next();
            if(!parentWindow.equals(childWindow))
            {
                driver.switchTo().window(childWindow);
            }
        }
    }
}
```



```

WebElement emailOrMobileNo =driver.findElement(By.xpath("//input[@id='email']"));
emailOrMobileNo.sendKeys("bhumi27@gmail.com");
WebElement pwd = driver.findElement(By.xpath("//input[@id='pass']"));
pwd.sendKeys("@123");
WebElement loginBtn =
driver.findElement(By.xpath("/html/body/div/div[2]/div[1]/form/div/div[4]/label[2]/input"));
loginBtn.click();
}
}

```

Week 07(Web Driver google Search Cmrit)

```

import org.openqa.selenium.By;
import org.openqa.selenium.Keys;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
public class Week7 {
    public static void main(String[] args) throws InterruptedException {
        System.setProperty("webdriver.chrome.driver",
"F:\\Lab\\chromedriver\\chromedriver.exe");
        WebDriver driver=new ChromeDriver();
        driver.manage().window().maximize();
        driver.get("https://www.google.com/");
        Thread.sleep(2000);
        WebElement searchBar= driver.findElement(By.name("q"));
        searchBar.sendKeys("cmrit hyderabad");
        searchBar.sendKeys(Keys.ENTER);
        Thread.sleep(15000);
        driver.quit();
    }
}

```

Week-08(Cmrit Image Download)

```
import java.awt.AWTException;
import java.awt.Robot;
import java.awt.event.KeyEvent;
import org.openqa.selenium.By;
import org.openqa.selenium.Keys;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.interactions.Actions;

public class Image {

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

        WebDriver driver=new ChromeDriver();
        driver.manage().window().maximize();
        driver.get("https://www.google.com");
        Thread.sleep(2000);
        WebElement searchBar=driver.findElement(By.name("q"));
        searchBar.sendKeys("cmrit hyderabad");
        searchBar.sendKeys(Keys.ENTER);
        Thread.sleep(15000);
        WebElement img=driver.findElement(By.xpath("//a[normalize-space()='Images']"));
        img.click();
        WebElement img1=driver.findElement(By.xpath("//img[@alt='CMR Institute of Technology, Hyderabad Courses & Fees 2023']"));
        Actions action = new Actions(driver);
        action.contextClick(img1).build().perform();
        Robot robot=new Robot();
        robot.keyPress(KeyEvent.VK_DOWN);
        Thread.sleep(2000);
        robot.keyPress(KeyEvent.VK_DOWN);
        Thread.sleep(2000);
        robot.keyPress(KeyEvent.VK_DOWN);
        Thread.sleep(2000);
        robot.keyPress(KeyEvent.VK_DOWN);
        Thread.sleep(2000);
```

```

robot.keyPress(KeyEvent.VK_DOWN);
Thread.sleep(2000);
robot.keyPress(KeyEvent.VK_DOWN);
Thread.sleep(2000);
robot.keyPress(KeyEvent.VK_DOWN);
Thread.sleep(2000);
robot.keyPress(KeyEvent.VK_ENTER);
Thread.sleep(3000);
robot.keyPress(KeyEvent.VK_ENTER);
System.out.println("downloaded");
// driver.close();
    }
}

```

Week 09(List items)

```

package week09;
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;
public class ListItems {
public static void main(String[] args) {
System.setProperty("webdriver.chrome.driver","F:\\Lab\\chromedriver-win64\\chromedriver-
win64\\chromedriver.exe");
WebDriver driver=new ChromeDriver();
driver.manage().window().maximize();
driver.get("https://www.justdial.com/Hyderabad/Bakeries/nct-10033880");
List<WebElement> m = driver.findElements(By.xpath("//h2[@class='jsx-3349e7cd87e12d75
resultbox_title font22 fw500 color111 complist_title']"));
for(int i = 0; i< m.size(); i++) {
String s = m.get(i).getText();
System.out.println("Text is: " + s);
}
}

```

```
}  
}
```

Week 10 (Gmail Validation)

```
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.support.ui.Select;  
public class exp10 {  
    public static void main(String[] args) throws InterruptedException {  
        System.setProperty("webdriver.chrome.driver", "F:\\\\Lab\\\\Updated\\\\chromedriver-  
win64\\\\chromedriver.exe");  
        WebDriver driver = new ChromeDriver();  
        driver.get("http://gmail.com/");  
        Thread.sleep(2000);  
        WebElement createAccount = driver.findElement(By.xpath("(//span[normalize-  
space()='Create account'])[1]"));  
        createAccount.click();  
        Thread.sleep(2000);  
        WebElement mySelft = driver.findElement(By.xpath("(//span[normalize-space()='For my  
personal use'])[1]"));  
        mySelft.click();  
        Thread.sleep(2000);  
        WebElement firstName = driver.findElement(By.name("firstName"));  
        firstName.sendKeys("Kumar01");  
        Thread.sleep(2000);  
        WebElement lastName = driver.findElement(By.name("lastName"));  
        lastName.sendKeys("Ravi");  
        Thread.sleep(2000);  
        WebElement bn1 = driver.findElement(By.xpath("(//span[normalize-space()='Next']"));  
        bn1.click();  
        Thread.sleep(3000);  
        Select month = new Select(driver.findElement(By.xpath("(//select[@id='month'])[1]")));
```

```

month.selectByValue("8");
Thread.sleep(2000);
WebElement day = driver.findElement(By.xpath("//input[@id='day'][1]"));
day.sendKeys("24");
Thread.sleep(2000);
WebElement year = driver.findElement(By.xpath("//input[@id='year'][1]"));
year.sendKeys("1996");
Select gender = new
Select(driver.findElement(By.xpath("//select[@id='gender'][1]")));
gender.selectByValue("1");
Thread.sleep(2000);
WebElement bn2 = driver.findElement(By.xpath("//span[normalize-space()='Next']"));
bn2.click();
Thread.sleep(2000);
WebElement uid = driver.findElement(By.name("Username"));
uid.sendKeys("Kmrthakla");
WebElement bn3 = driver.findElement(By.xpath("//span[normalize-space()='Next']"));
bn3.click();
Thread.sleep(2000);
WebElement pswd = driver.findElement(By.name("Passwd"));
pswd.sendKeys("Cmrit123#");
WebElement cpswd = driver.findElement(By.name("PasswdAgain"));
cpswd.sendKeys("Cmrit123#");
WebElement bn4 = driver.findElement(By.xpath("//span[normalize-space()='Next']"));
bn4.click();
}
}

```

Week 11 (Myntra)

```
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.interactions.Actions;

public class Myntra {

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

        System.setProperty("webdriver.chrome.driver", "F:\\\\Lab\\\\Updated\\\\chromedriver-
win64\\\\chromedriver.exe");

        WebDriver driver=new ChromeDriver();

        Actions builder = new Actions(driver);

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

        WebElement searchBar = driver.findElement(By.name("q"));

        searchBar.sendKeys("Myntra");

        Thread.sleep(500);

        searchBar.submit();    WebElement myntraLink =
driver.findElement(By.xpath("//h3[contains(text(),'Myntra: Online Shopping for Women, Men, Kids
Fashi')][1]"));

        myntraLink.click();

        WebElement profileHyperLink = driver.findElement(By.xpath("//span[normalize-
space()='Profile'][1]"));

        profileHyperLink.click();

        WebElement loginBtn = driver.findElement(By.xpath("//a[normalize-space()='login /
Signup'][1]"));

        loginBtn.click();

        WebElement mobileNo = driver.findElement(By.xpath("//input[@type='tel'][1]"));

        mobileNo.sendKeys("9948621019");

        WebElement continueBtn =
driver.findElement(By.xpath("//div[@class='submitButtonOption'][1]"));

        continueBtn.click();

        Thread.sleep(500);

        //    WebElement otp01 = driver.findElement(By.xpath("//input[@name='otp0'][1]"));
        //    otp01.sendKeys("1");
        //    WebElement otp02 = driver.findElement(By.xpath("//input[@name='otp1'][1]"));
        //    otp02.sendKeys("2");
```

```
//      WebElement otp03 = driver.findElement(By.xpath("//input[@name='otp2']")[1]));
//      otp03.sendKeys("3");
//      WebElement otp04 = driver.findElement(By.xpath("//input[@name='otp3']")[1]));
//      otp04.sendKeys("4");
//      driver.close();
//      }
//  }
```

Week 12(Pdf To Word Convertor)

```
import java.awt.AWTException;
import java.awt.Robot;
import java.awt.Toolkit;
import java.awt.datatransfer.Clipboard;
import java.awt.datatransfer.StringSelection;
import java.awt.event.KeyEvent;
import org.openqa.selenium.By;
import org.openqa.selenium.Keys;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;

public class exp12 {
    public static void main(String[] args) throws InterruptedException, AWTException {
        System.setProperty("webdriver.chrome.driver", "F:\\Tutorials\\selenium\\jar\\chromedriver-
win64\\chromedriver.exe");
        WebDriver driver= new ChromeDriver();
        driver.get("https://www.google.com/");
        Thread.sleep(2000);
        WebElement searchBar = driver.findElement(By.name("q"));
        searchBar.sendKeys("Convert word to pdf online");
        searchBar.sendKeys(Keys.ENTER);
        WebElement pdfToWord = driver.findElement(By.xpath("(//h3[@class='LC20lb MBeuO
DKV0Md'])[2]"));
        pdfToWord.click();
        Thread.sleep(500);
    }
}
```

```
WebElement chooseFileBtn = driver.findElement(By.xpath("//span[normalize-space()='Choose
Files']")[1]));
chooseFileBtn.click();
Thread.sleep(500);
Clipboard clipboard = Toolkit.getDefaultToolkit().getSystemClipboard();
StringSelection str = new StringSelection("Downloads\\01.docx");
clipboard.setContents(str,null);
Thread.sleep(500);
Robot robot = new Robot();
robot.keyPress(KeyEvent.VK_CONTROL);
robot.keyPress(KeyEvent.VK_V);
robot.keyPress(KeyEvent.VK_ENTER);
Thread.sleep(10000);
WebElement download = driver.findElement(By.xpath("//span[normalize-
space()='Download']"));
download.click();
}
}
```