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)

```java
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);
```

```java
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)

```java
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");
```

```java
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();

        }

}
```

Method-02

```java
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'])[1]"));
```

```java
            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();


    }


}
```

Week04(Popup Bank Notification)

```java
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();
}
}
```

Week05(Cmrit Bees Results)

```java
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)

```java
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)

```java
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)

```java
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='submitBottomOption'])[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);
```

```java
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();

}

}
```