**DATE :** **24/06/24**

# PRACTICAL 1

**1.Install Selenium IDE; write a PHP program to display result of student.Write a test suite containing all possible test cases.**

**HTML CODE:**

<html>

<head><title>Result</title></head>

<body>

<form method="POST" action="result.php">

Roll Number:<input type="text" name="txtrno"><br>

Name:<input type="text" name="txtname"><br>

Maths:<input type="text" name="m1"><br>

Physics:<input type="text" name="m2"><br>

Chemistry:<input type="text" name="m3"><br>

<input type="submit" value="Display Result">

</form>

</body> </html>.

**PHP CODE:-**

<?php

$rno=$\_POST["txtrno"];

$name=$\_POST["txtname"];

$m1=$\_POST["m1"];

$m2=$\_POST["m2"];

$m3=$\_POST["m3"];

$tot=$m1+$m2+$m3;

$per=$tot/3.0; echo "Roll no=" .$rno."<br>"; echo "Name=" .$name."<br>"; echo "Maths=" .$m1."<br>"; echo "Physics=" .$m2."<br>"; echo "Chemistry=" .$m3."<br>"; echo "Total=" .$tot."<br>"; echo "Percentage=" .$per."<br>"; if($m1<35||$m2<35||$m3<35)

echo "Fail";

else

if($per<50)

echo "Pass";

else

if($per<60)

echo "Second Class";

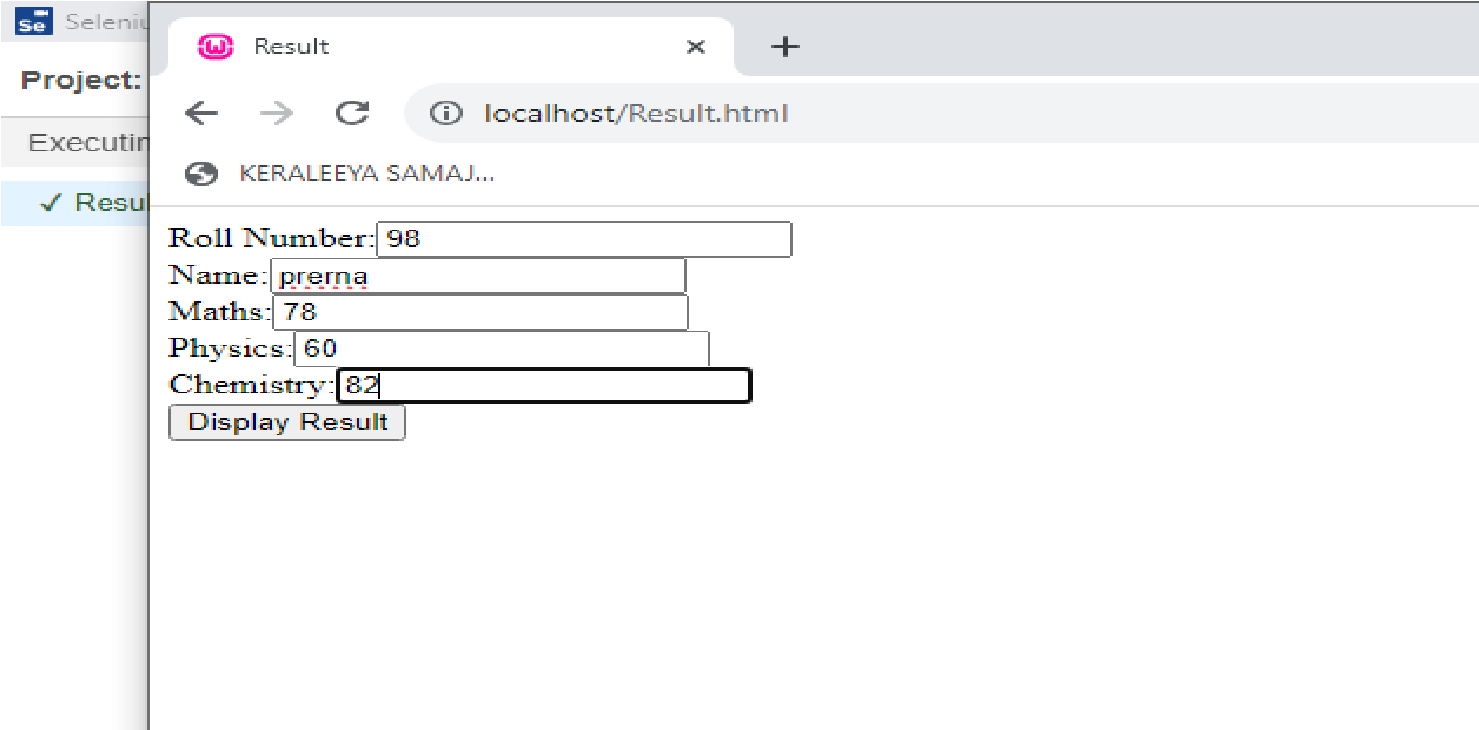
else

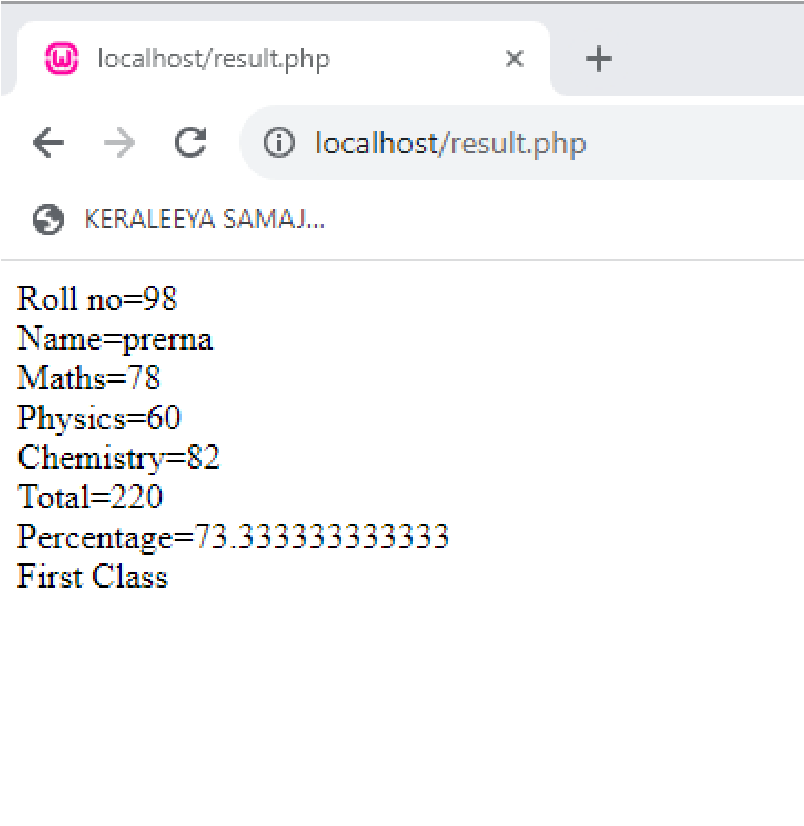
if($per<75) echo "First Class";

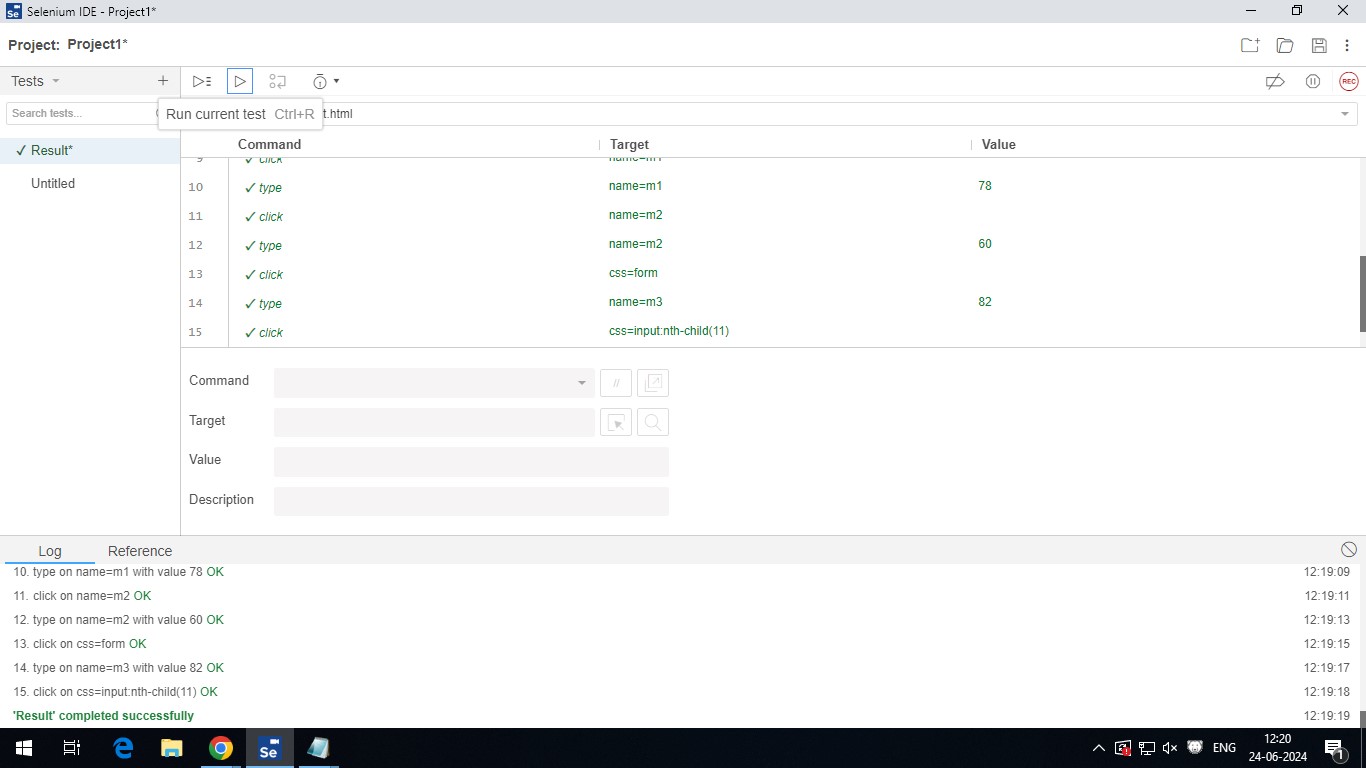
else

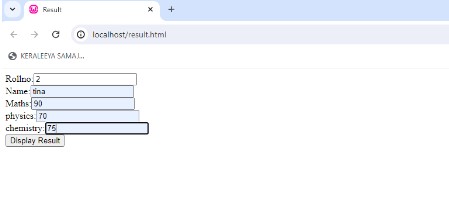
echo "Distinction";

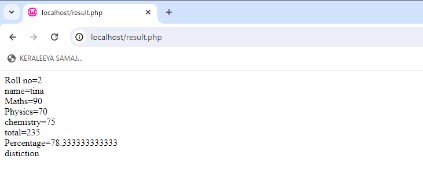
?>

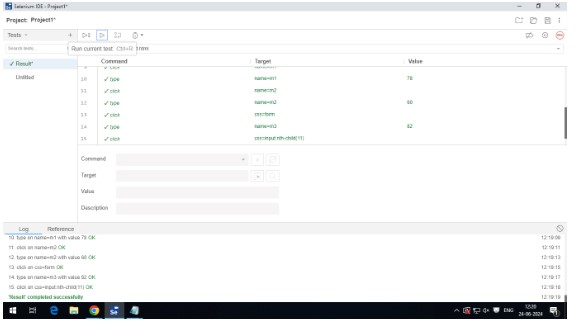
**OUTPUT :**











**DATE:-02/07/24**

**PRACTICAL- 2**

**2.Write a PHP program for shopping website record test cases using Selenium IDE.**

**HTML Code**:

<html>

<head><title>Shopping Website</title></head>

<body>

<form method="POST" action="shopping.php"> Enter type of user:

<select name="user">

<option value="0">Select user</option>

<option value="1">Guest</option>

<option value="2">Customer</option>

</select>

<br>

Do you have gift card?

<select name="gift">

<option value="0">Select </option>

<option value="1">Yes</option>

<option value="2">No</option>

</select>

<br>

<Input type="submit" value="submit form">

</form>

</body> </html>

**PHP Code:**

<?php

$user=$\_POST["user"]; $gift=$\_POST["gift"]; if(($user=="0")||($gift=="0")) echo "Invalid Data"; else

{

if($user==1)

{ if($gift==1)

echo "You are eligible for 20% discount"; else echo "you are eligible for 15% discount";

}

else

{

if($user=="2") if($gift=="1")

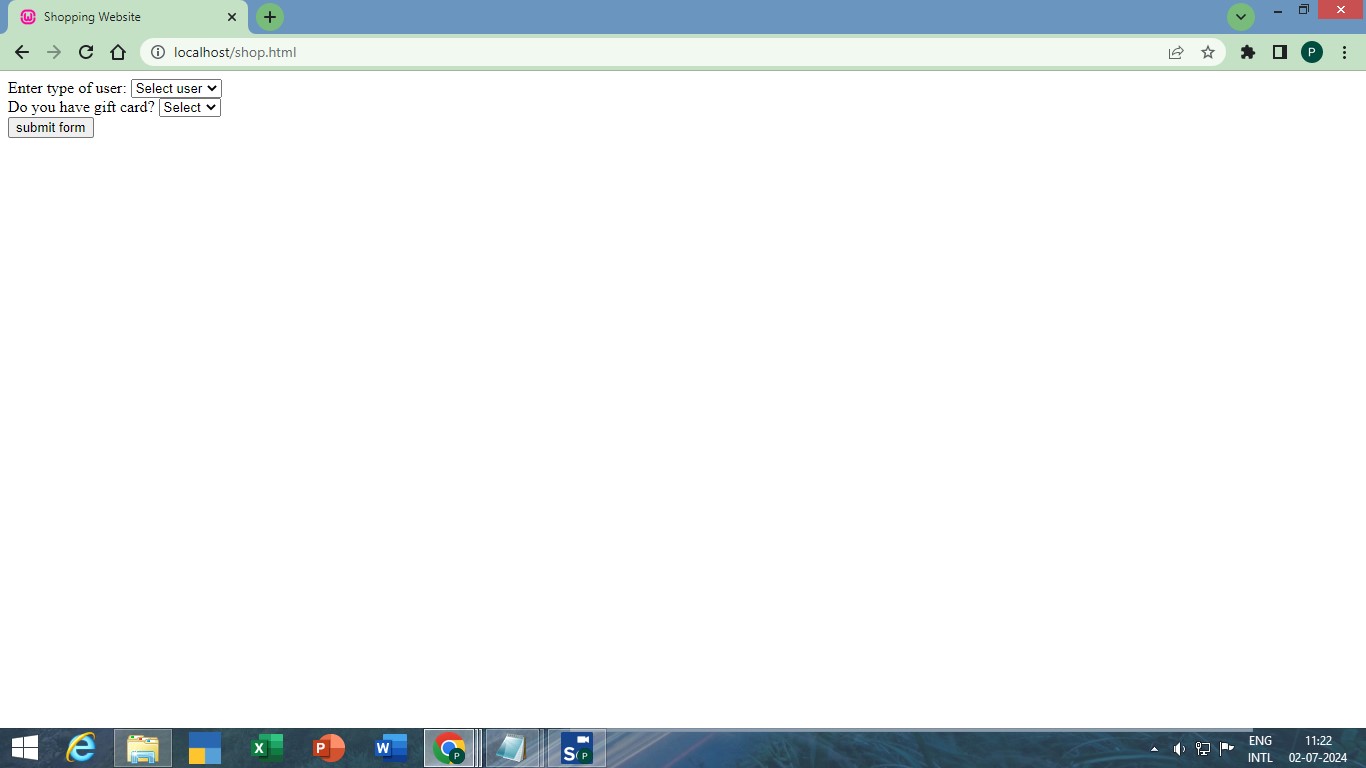
echo "you are eligible for 20% discount"; else echo "you are not eligible for discount";

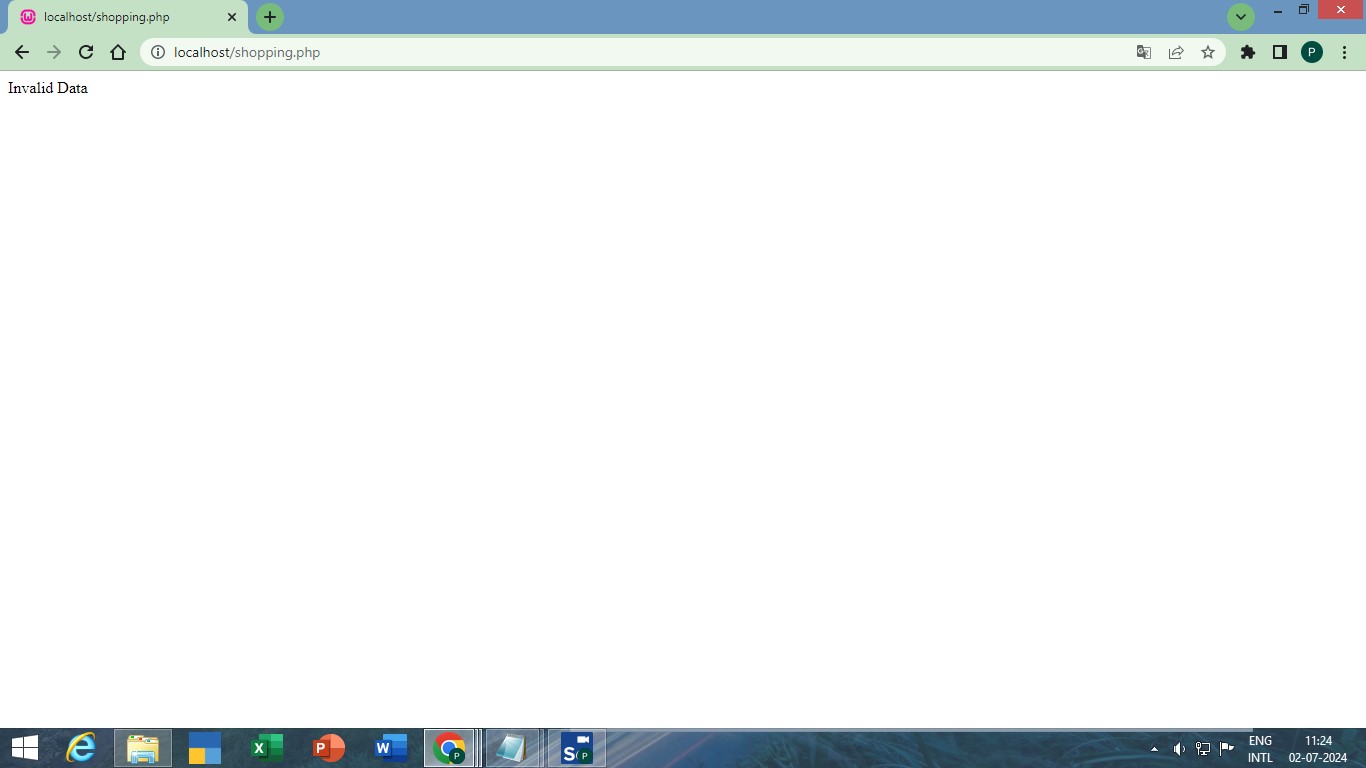
}

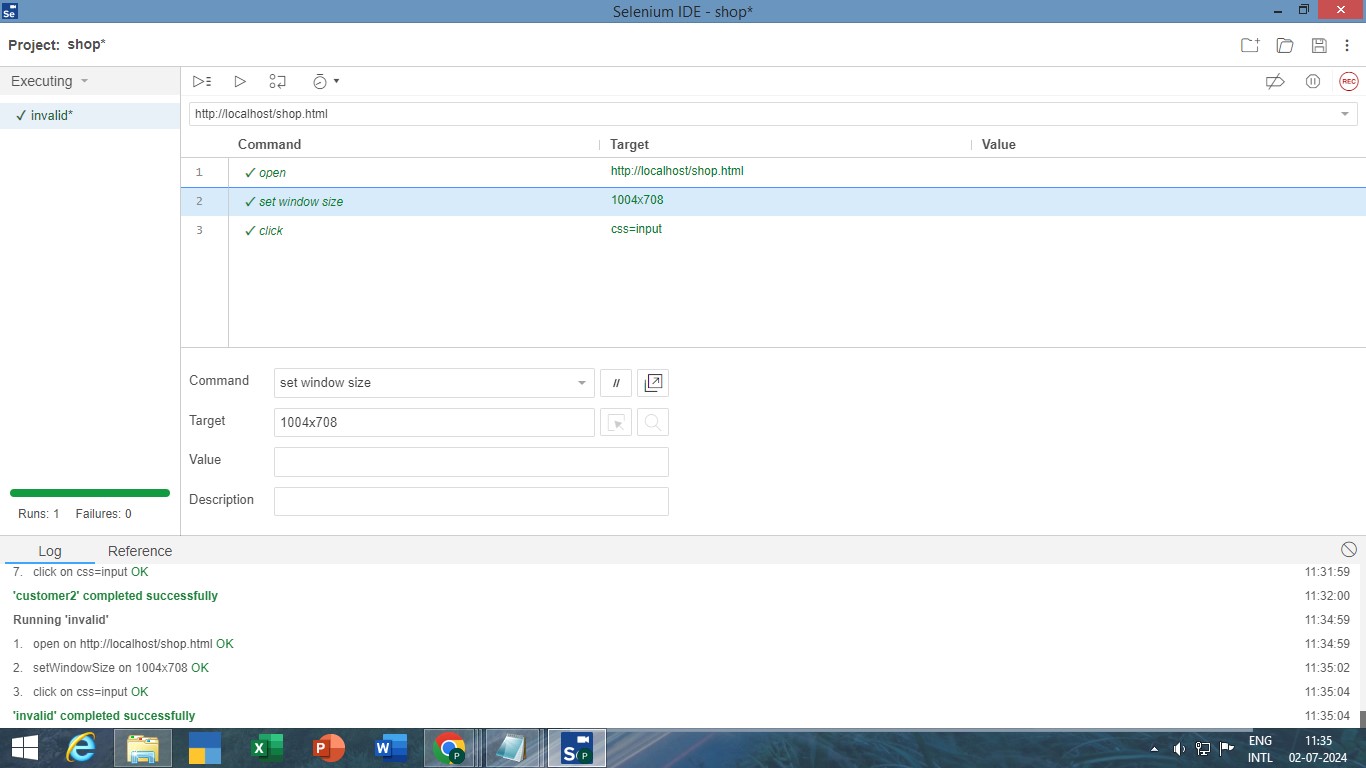
}

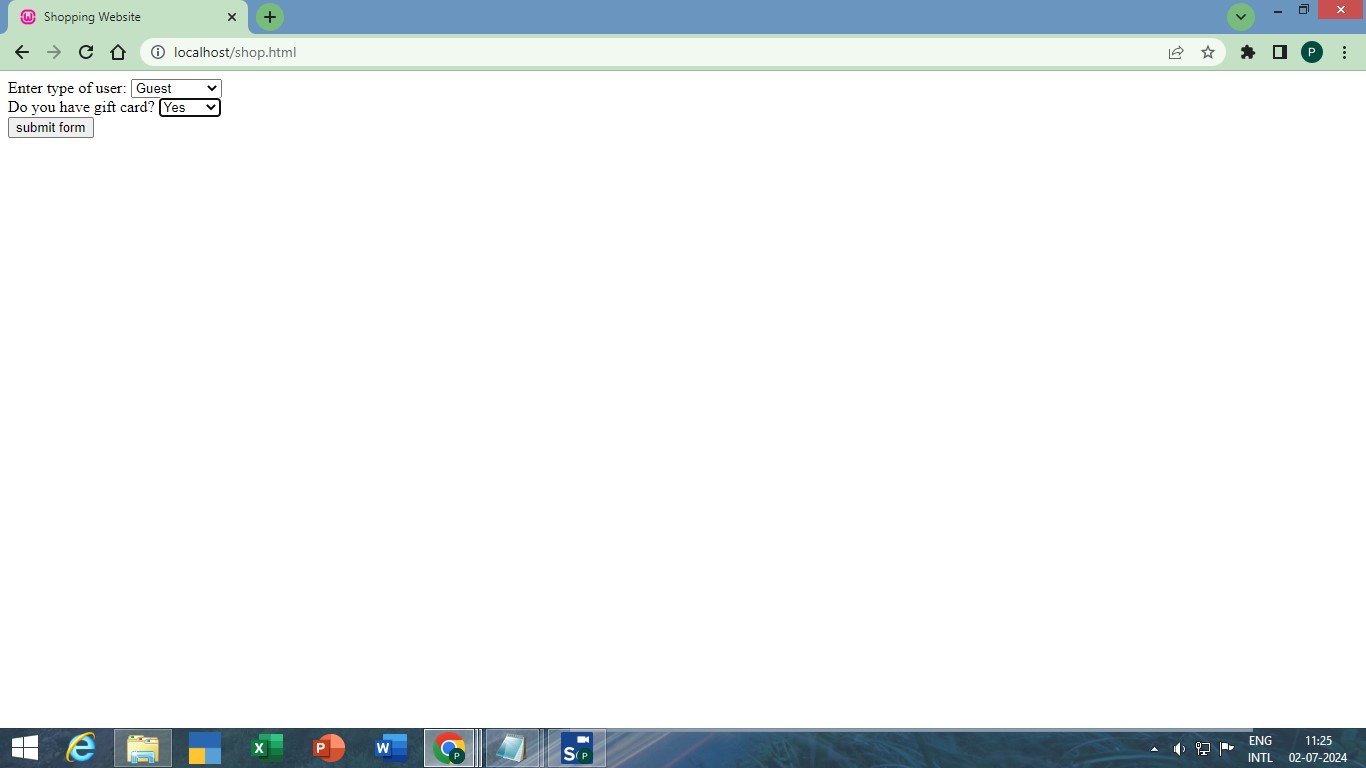
?>

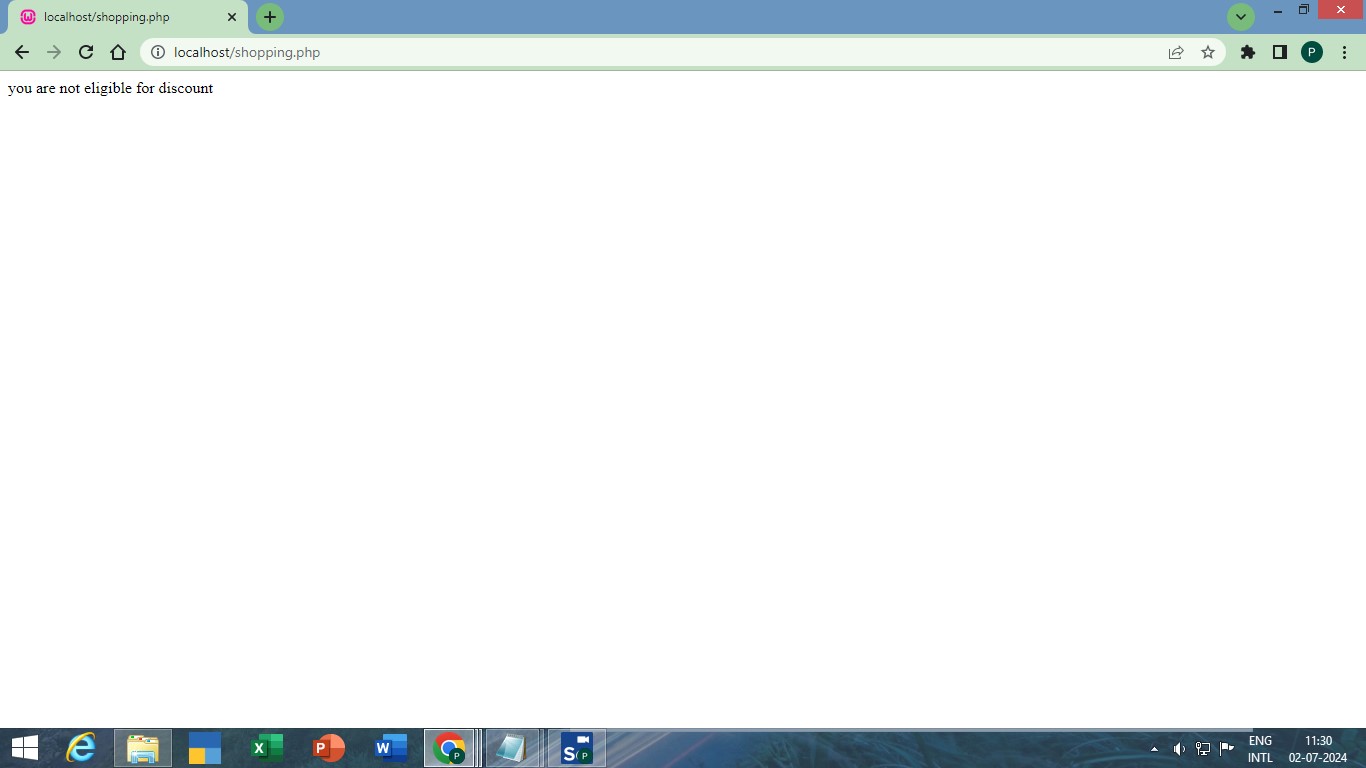
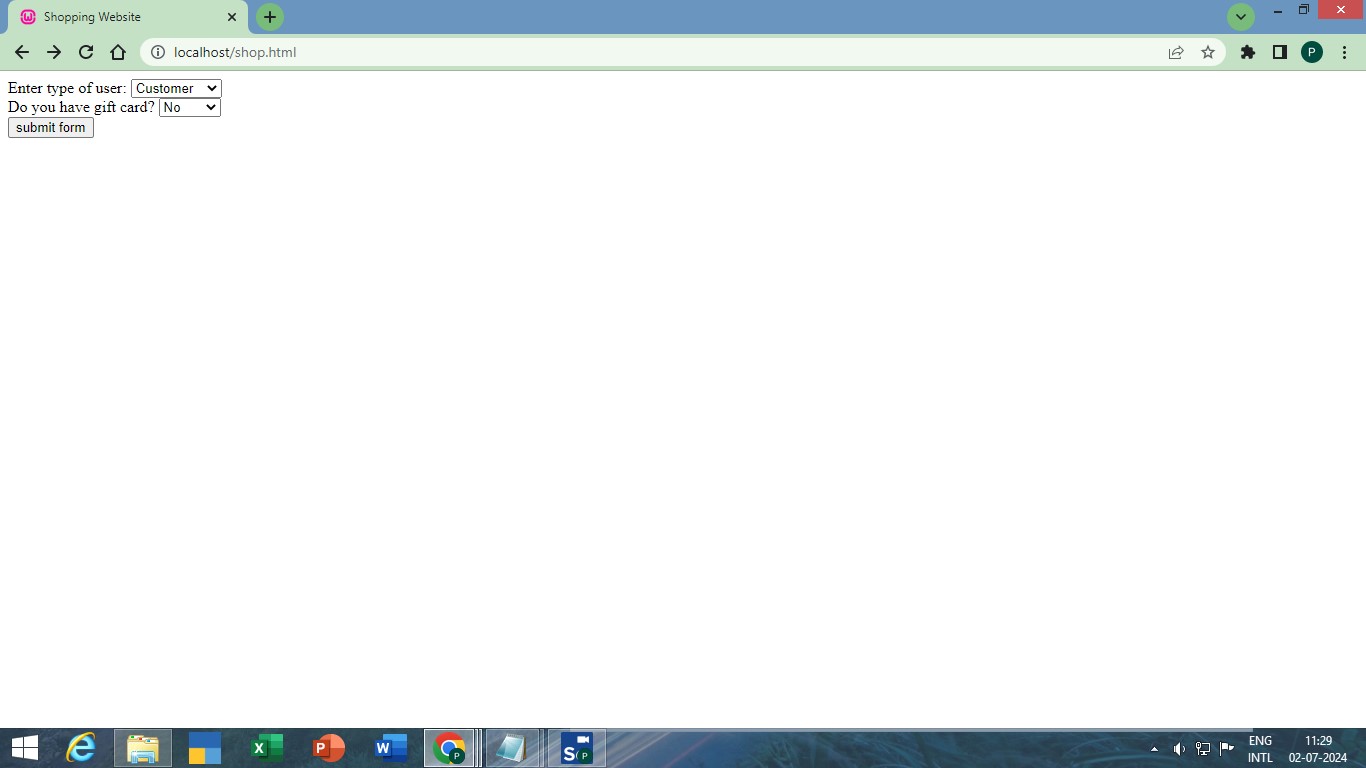
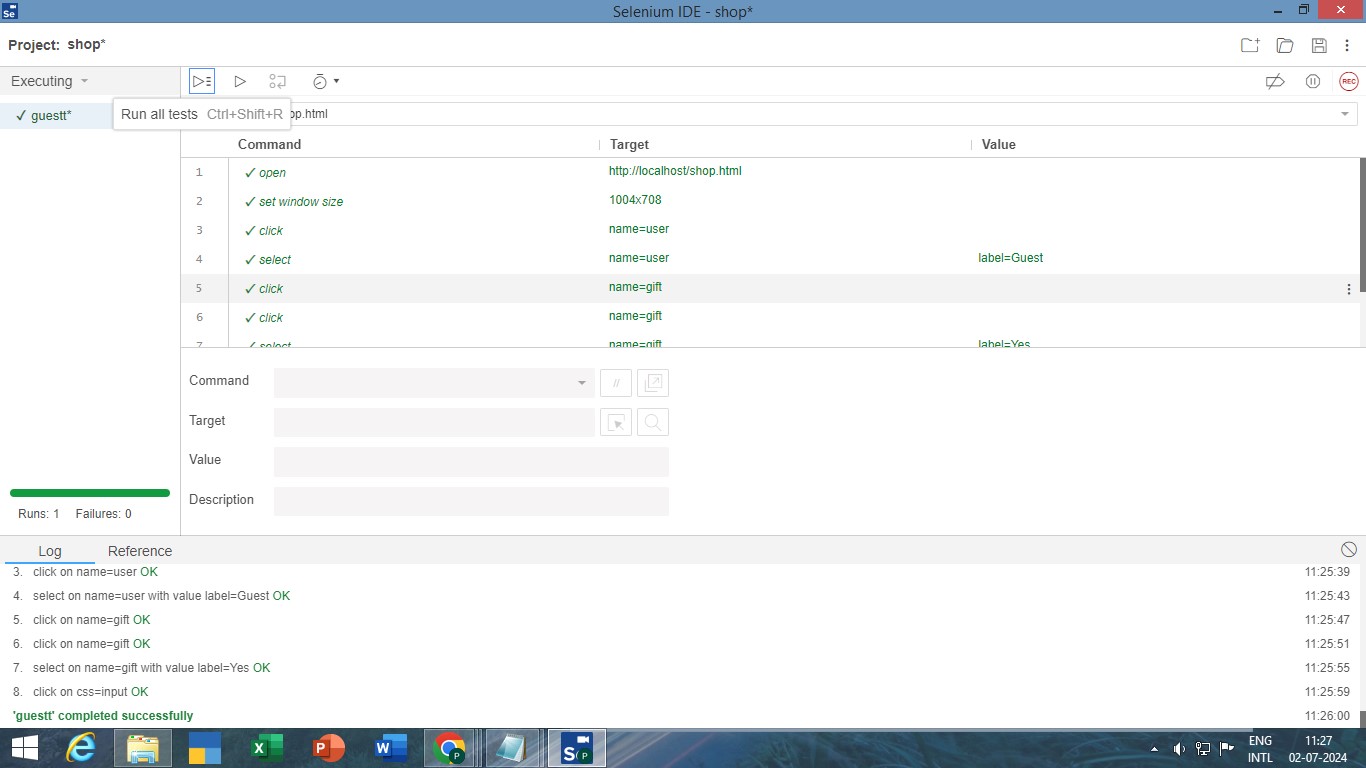
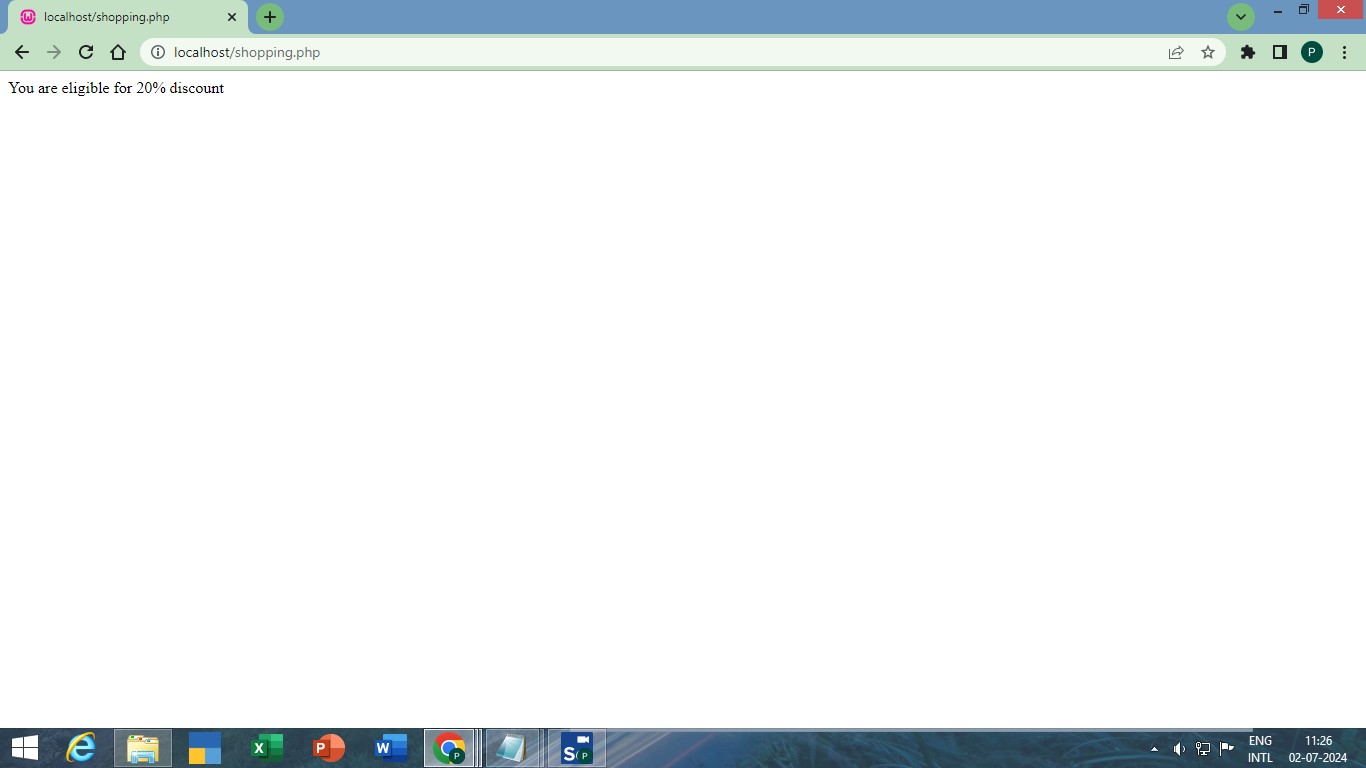
**OUTPUT:-**











**Date : 02/07/2024**

# PRACTICAL 3

# 3. Write a program to find the GCD of two numbers inJavaScript.Test the program using selenium web driver

**HTML Code:**

<html>

<head><title>GCD of two numbers</title> <script language="javascript"> function gcd()

{

var x,y; x=parseInt(document.f1.t1.value); y=parseInt(document.f1.t2.value); while(x!=y)

{ if(x>y) x=x-y; else y=y-x;

}

document.f1.t3.value=x;

}

</script>

</head>

<body>

<h1>Program to find GCD of two numbers</h1>

<form name="f1">

Enter First Number:<input type=text name="t1"><br>

Enter Second Number:<input type=text name="t2"><br>

GCD:<input type=text name="t3"><br>

<input type="button" name="btn" value="find GCD" onClick="gcd()">

</form>

</body>

</html>

**Eclipse Code :**

package GCD;

import org.openqa.selenium.By; import org.openqa.selenium.WebDriver; import org.openqa.selenium.chrome.ChromeDriver; public class gcd {

public static void main(String[] args)

{

System.setProperty("webdriver.chrome.driver","D:\\TYCS\_RANJEET\_TecH\_RC\\Seleni um\\chromedriver.exe");

WebDriver driver = new ChromeDriver();

driver.get("http://localhost:80//GCD.html"); driver.manage().window().maximize(); driver.findElement(By.name("t1")).sendKeys("12"); driver.findElement(By.name("t2")).sendKeys("18"); driver.findElement(By.name("btn")).click();

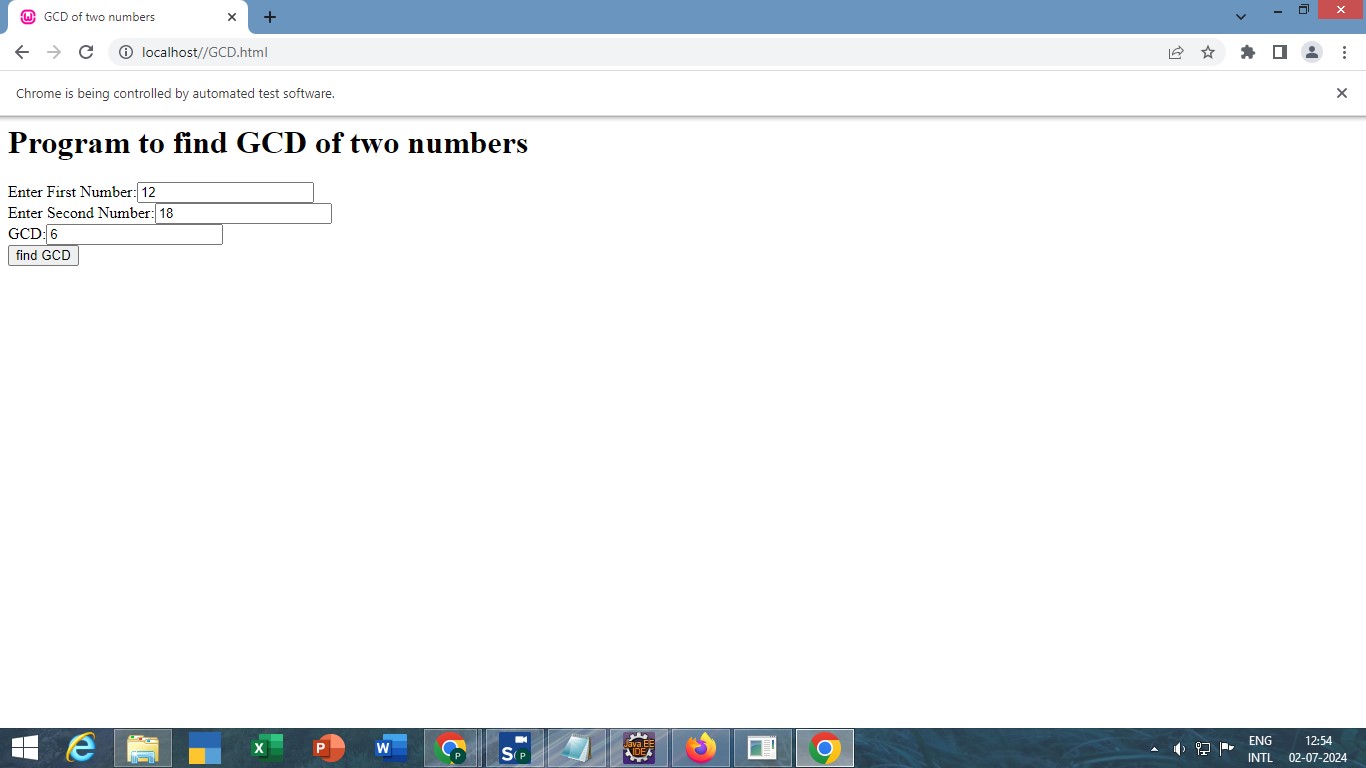
String result = driver.findElement(By.name("t3")).getText();

System.out.println("GCD is"+result);

}

}

**OUTPUT:-**



**DATE:-09/07/24**

**PRACTICAL:-4**

**A.).Write and test a program to login a specific web page.**

**B.) Write and test a program for facebook login.**

**HTML Code:**

<html>

<head><title>Login Form</title></head>

<body>

<form method="POST" action="Login.php"><br>

Enter a user<input type="text" name="user"><br>

Enter a password<input type="password" name="pass"><br>

<input type="submit" name="btn" value="Login"><br>

</form>

</body>

</html>

**PHP Code:**

<?php

$user=$\_POST["user"]; $password=$\_POST["pass"]; if($user=="prerna"&& $password=="peru123") echo "Login Sucessful"; else

echo"Login Denied";

?>

**Eclipse code:**

package login; import org.openqa.selenium.By; import org.openqa.selenium.WebDriver; import org.openqa.selenium.chrome.ChromeDriver;

public class login {

public static void main(String[] args)

{

System.setProperty("webdriver.chrome.driver","D:\\TYCS\_RANJEET\_TecH\_RC\\Seleni um\\chromedriver.exe");

WebDriver driver=new ChromeDriver(); driver.get("http://localhost/Login.html"); driver.manage().window().maximize(); driver.findElement(By.name("user")).sendKeys("prerna"); driver.findElement(By.name("password")).sendKeys("peru123"); driver.findElement(By.name("btn")).click();

}

}

**Firefox code:**

package login; import org.openqa.selenium.By; import org.openqa.selenium.WebDriver; import org.openqa.selenium.firefox.FirefoxDriver;

public class login {

public static void main(String[] args)

{

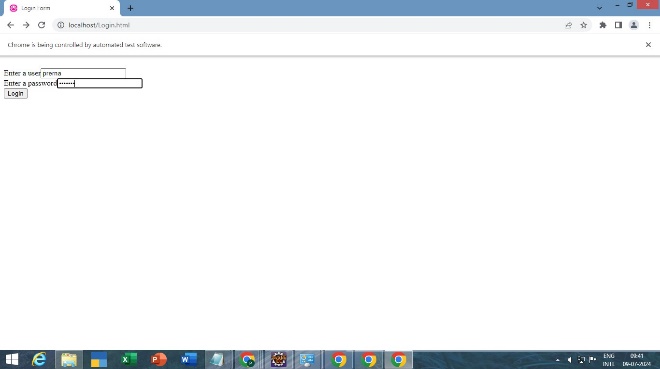
System.setProperty("webdriver.firefox.marionette","D:\\TYCS\_RANJEET\_TecH\_RC\\Sel enium\\geckodriver.exe");

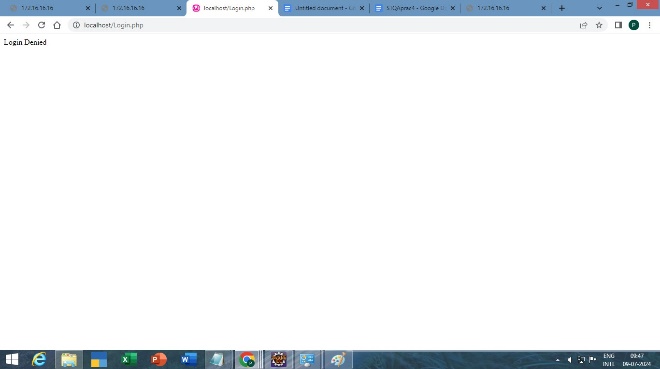
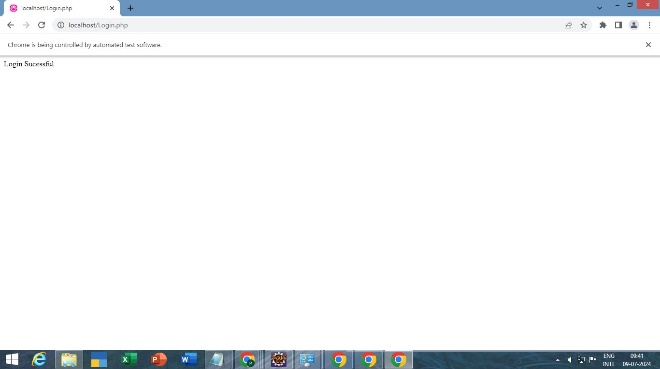
WebDriver driver= new FirefoxDriver(); driver.get("http://localhost/Login.html"); driver.manage().window().maximize(); driver.findElement(By.name("user")).sendKeys("prerna"); driver.findElement(By.name("pass")).sendKeys("peru123"); driver.findElement(By.name("btn")).click();

}

}

**OUTPUT :**





**DATE : 24/07/2024**

**Practical 5**

5.Write a program to demonstrate JUnit testing.

A) program to find factorial of a number

# B) program for addition subtraction multiplication and division

C) program to find reverse of a number

A)PROGRAM TO FIND FACTORIAL OF A NUMBER

## Java class of factorial**:-**

package factorials;

public class factorialclass

{ public int factorial(int n)

{ int f=1; while(n>0)

{ f=f\*n; n--;

} return(f);

}

public static void main(String[] args) {

// TODO Auto-generated method stub

}

}

## JUNIT TEST CASE CODE:-

package factorials; import static org.junit.Assert.\*; import org.junit.Test; public class factorialtest {

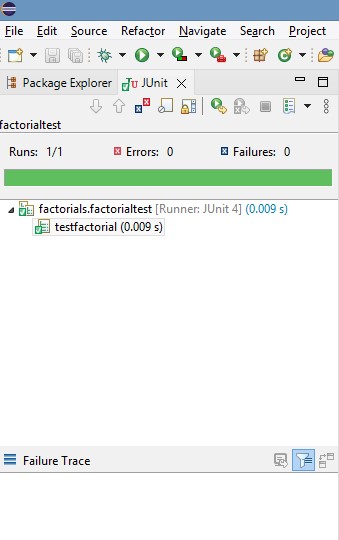
@Test

public void testfactorial() { factorialclass f1=new factorialclass(); int fact=f1.factorial(5); assertEquals(fact,120);

}

}

OUTPUT:



B)

PROGRAM FOR ADDITION,SUBTRACTION,MULTIPLICATION AND DIVISION

## JAVA CLASS CODE:-

package mathproj;

public class mathclass

{ public int addition(int a,int b)

{ return(a+b);

}

public int subtraction(int a,int b)

{ return(a-b);

} public int multiplication(int a,int b)

{ return(a\*b);

} public int division(int a,int b)

{ return(a/b);

}

public static void main(String[] args)

{

}

}

## JUNIT TEST CASE OF ADD CODE:-

package mathproj; import static org.junit.Assert.\*; import org.junit.Test; public class addtest {

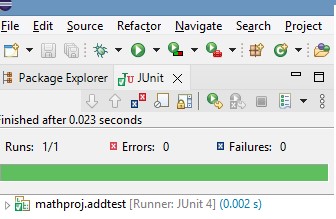
@Test public void testadd()

{

mathclass n=new mathclass(); int add=n.addition(10,20); assertEquals(add,30);

}

}



## JUNIT TEST CASE OF SUB CODE:-

package mathproj; import static org.junit.Assert.\*; import org.junit.Test; public class subtest {

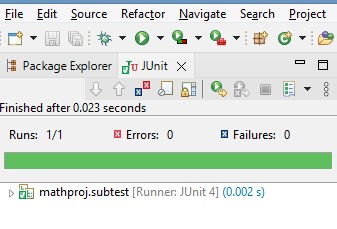
@Test public void testsub()

{

mathclass n= new mathclass(); int sub=n.subtraction(100,50); assertEquals(sub,50);

}

}



## JUNIT TEST CASE OF MUL CODE:-

package mathproj; import static org.junit.Assert.\*; import org.junit.Test; public class multest {

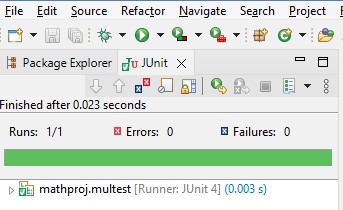
@Test public void testmul()

{

mathclass n= new mathclass(); int mul=n.multiplication(30,10); assertEquals(mul,300);

}

}



## JUNIT TEST CASE OF DIV CODE:-

package mathproj; import static org.junit.Assert.\*; import org.junit.Test; public class divtest {

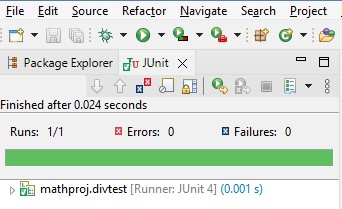
@Test public void testdiv()

{

mathclass n= new mathclass(); int div=n.division(200,10); assertEquals(div,20);

}

}



C)PROGRAM TO FIND REVERSE OF A NUMBER:

# JAVA CLASS CODE:-

package revpackage;

public class Revclass

{

public int reverse(int n)

{

int rem,rev=0; while(n>0)

{

rem=n%10; rev=rev\*10+rem; n=n/10;

} return(rev);

}

public static void main(String[] args) {

}

}

# JUNIT CASE CODE:-

package revpackage; import static org.junit.Assert.\*; import org.junit.Test; public class revtest {

@Test public void test()

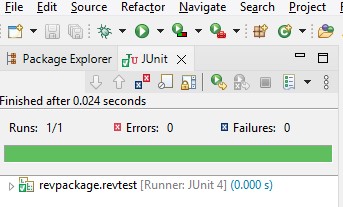
{

Revclass n= new Revclass(); int rev=n.reverse(2341); assertEquals(rev,1432);

}

}

# OUTPUT:-



**DATE : 28/08/24**

**PRACTICAL 6**

6. Write and test a program to update 10 student records into table into Excel file.

package UpdateExcel; import jxl.Cell; import jxl.Sheet; import jxl.Workbook; import jxl.read.biff.BiffException; import org.testng.annotations.BeforeClass; import org.testng.annotations.Test; import jxl.\*; import jxl.read.\*; import jxl.write.\*; import java.io.\*; public class UpdateExcel {

@BeforeClass public void f1()

{}

@Test

public void test1() throws Exception { FileInputStream fi = new

FileInputStream("D:\\prerna\\TYCS\_RANJEET\_TecH\_RC\\seleniu m pracs\\mybook2.xls");

Workbook w = Workbook.getWorkbook(fi);

Sheet s = w.getSheet(0);

String a[][] = new String[s.getRows()][s.getColumns()]; FileOutputStream fo = new

FileOutputStream("D:\\prerna\\TYCS\_RANJEET\_TecH\_RC\\seleni um pracs\\myBook2Res.xls");

WritableWorkbook wwb = Workbook.createWorkbook(fo); WritableSheet ws = wwb.createSheet("result1", 0); for (int i = 0; i < s.getRows(); i++) for (int j = 0; j < s.getColumns(); j++)

{

a[i][j] = s.getCell(j, i).getContents(); Label l2 = new Label(j, i, a[i][j]); ws.addCell(l2);

Label l1 = new Label(6, 0, "Result"); ws.addCell(l1);

}

for (int i = 1; i < s.getRows(); i++) { for (int j = 2; j < s.getColumns(); j++)

{ a[i][j] = s.getCell(j, i).getContents(); int x=Integer.parseInt(a[i][j]); if(x > 35)

{

Label l1 = new Label(6, i, "pass"); ws.addCell(l1);

} else

{

Label l1 = new Label(6, i, "fail"); ws.addCell(l1);

break; } }

} wwb.write(); wwb.close();

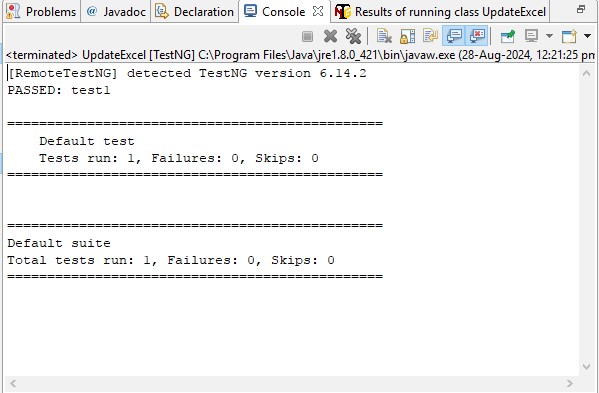
}

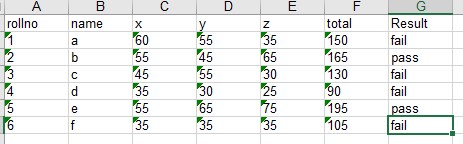
public static void main(String[] args) {

}

}

**OUTPUT :**





**DATE : 28/06/24**

# PRACTICAL 8

8.Program to Count Number of Links on a Websites.

package CountLink; import org.openqa.selenium.By; import org.openqa.selenium.WebDriver; import org.openqa.selenium.WebElement; import org.openqa.selenium.firefox.FirefoxDriver;

public class CountLink

{

public static void main(String[] args)

{

System.setProperty("webdriver.firefox.marionette","D:\\prerna\\TYCS\_

RANJEET\_TecH\_RC\\Selenium\\geckodriver.exe"); WebDriver driver = new FirefoxDriver(); driver.get("http://www.rediffmail.com/");

java.util.List<WebElement>links=driver.findElements(By.tagName("a")

);

System.out.print("Total links are="+links.size()); for(int i=0;i<links.size();i++)

{

System.out.print("Link"+i+"Link

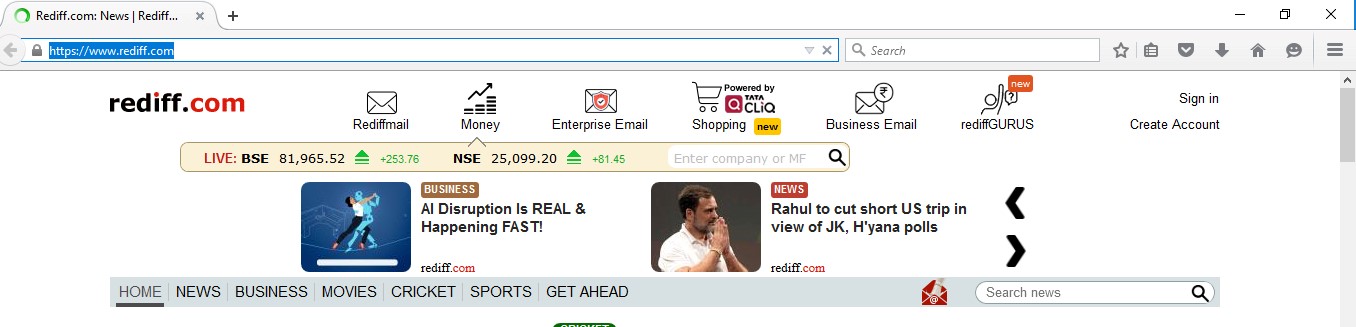
name"+links.get(i).getText());

}

}

**}**

**OUTPUT :**





**DATE : 28/08/24**

**PRACTICAL 9**

9. Write and test a program to get the number of items in a list /Combo box .

HTML CODE :

<html>

<head><title>States</title></head>

<body>

<form name="f1" method="POST">

<select id="stateNames">

<option>Maharashtra</option>

<option>Kerala</option>

<option>Madhyapradesh</option>

<option>Rajasthan</option>

<option>UttarPradesh</option>

</select>

</form>

</body>

</html>

ECLIPSE CODE :

package CountCombo; import org.openqa.selenium.By; import org.openqa.selenium.WebDriver; import org.openqa.selenium.WebElement; import org.openqa.selenium.firefox.FirefoxDriver; import org.openqa.selenium.support.ui.Select;

public class CountCombo {

public static void main(String[] args)

{

System.setProperty("webdriver.firefox.marionette","D:\\prerna\\TYCS\_

RANJEET\_TecH\_RC\\Selenuim\\geckodriver.exe"); WebDriver driver= new FirefoxDriver(); driver.get("http://localhost:80/States.html"); Select selectDropdown = new Select(driver.findElement(By.id("stateNames")));

java.util.List<WebElement>optionCount=driver.findElements(By.xpath

("//select/option"));

System.out.println("Total Number of item count in

dropdown list ="+optionCount.size());

for(int i=0;i<optionCount.size();i++)

{

System.out.println(optionCount.get(i).getText());

}

}

}

OUTPUT :

