**PRACTICAL NO :7**

Write a program using Selenium WebDriver to provide the total number of objects present or available on a web page. Perform object identification and counting.

* **Input :**

**Code ForPractical7.html File :**

<html>

<head>

<title>Practical 7 STQA</title>

</head>

<body>

<a href="login.html" ></a>

<img src="SIS.jpg" height=100 width=250>

<br>

<form action="insert.php" method="post">

<table border=1>

<caption><h3>Student Registration<h3></caption>

<tr>

<td>Enter Your RollNo </td>

<td><input type=text name="rollno" size=15></td>

</tr>

<tr>

<td>Enter Your Name </td>

<td><input type=text name="name" size=15></td>

</tr>

<tr>

<td>Enter Your Address</td>

<td><input type=text name="address" size=15></td>

</tr>

<tr>

<td>Select Your Gender</td>

<td>

<input type="radio" id="female" name="gender" value="">

<label for="gender1">Female</label><br>

<input type="radio" id="male" name="gender" value="">

<label for="gender2">Male</label>

</td>

</tr>

<tr>

<tr>

<td>Select your class</td>

<td>

<select name="select">

<option value="option1">T.Y.C.S</option>

<option value="option2">S.Y.C.S</option>

<option value="option3">F.Y.C.S</option>

/td>

<tr>

</select>

<td colspan=2 align="center"> <input type="submit" value="REGISTER"></td>

</tr>

<table >

</from>

<h3>Select Your Lanaguges</h3>

<input type="checkbox" id="lang1" name="L1" value="HTML">

<label for="course1">HTML</label><br>

<input type="checkbox" id="lang2" name="L2" value="Python">

<label for="course2">Python</label><br>

<input type="checkbox" id="lang3" name="L3" value="Java">

<label for="course3">Java</label><br>

<input type="checkbox" id="lang4" name="L4" value="Java">

<label for="course4">C++</label>

<br>

<h3>List of Course</h3>

<ul name="ul">

<li name ="C1" value="bsc" >BSC</li>

<li name ="C2" value="bcom">Bcom</li>

<li name ="C3" value="bms">BMS</li>

</ul>

</body>

</html>

* **Code in NetBeans:**

package practical7stqa;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.firefox.FirefoxDriver;

/\*\*

\*

\* @author SEJAL

\*/

public class Practical7STQA {

public static void main(String[] args) {

int count=0;

System.setProperty("webdriver.gecko.driver","D:\\@TYCS\\Software Testing & Quality\\Practical 7\\Practical7STQA\\src\\Driver\\geckodriver.exe");

WebDriver driver= new FirefoxDriver();

driver.get("http://localhost/Sejal%20Sawant/@TYCS/Practical7.html");

int i;

//Count Input tag

java.util.List<WebElement>input=driver.findElements(By.tagName("input"));

System.out.println("There are "+input.size()+" inputs tag are available");

for(i=0;i<input.size();i++){

System.out.println("Input "+(i+1)+" name is: "+input.get(i).getAttribute("name")+" and its type is:" +input.get(i).getAttribute("type"));

count++;

}

System.out.println("============================================");

//Count form tag

java.util.List<WebElement>form=driver.findElements(By.tagName("form"));

System.out.println("There are "+form.size()+" form tag are available");

System.out.println("============================================");

//count ul tags

java.util.List<WebElement>ul=driver.findElements(By.tagName("ul"));

System.out.println("There are "+ul.size()+" ul tags are available");

System.out.println("============================================");

//count li tags

java.util.List<WebElement>li=driver.findElements(By.tagName("li"));

System.out.println("There are "+li.size()+" list tags are available");

System.out.println("============================================");

//count img tag

java.util.List<WebElement>img=driver.findElements(By.tagName("img"));

System.out.println("There are "+img.size()+" image tags are available");

System.out.println("============================================");

//count br tag

java.util.List<WebElement>br=driver.findElements(By.tagName("br"));

System.out.println("There are "+br.size()+" br tags are available");

System.out.println("============================================");

//count heading tags

java.util.List<WebElement>h1=driver.findElements(By.tagName("h1"));

System.out.println("There are "+h1.size()+" h1 tags are available");

java.util.List<WebElement>h2=driver.findElements(By.tagName("h2"));

System.out.println("There are "+h2.size()+" h2 tags are available");

java.util.List<WebElement>h3=driver.findElements(By.tagName("h3"));

System.out.println("There are "+h3.size()+" h3 tags are available");

java.util.List<WebElement>h4=driver.findElements(By.tagName("h4"));

System.out.println("There are "+h4.size()+" h4 tags are available");

java.util.List<WebElement>h5=driver.findElements(By.tagName("h5"));

System.out.println("There are "+h5.size()+" h5 tags are available");

System.out.println("============================================");

//count anchor tags

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

System.out.println("There are "+a.size()+" anchor tags are available");

System.out.println("============================================");

//count anchor tags

java.util.List<WebElement>dropdown=driver.findElements(By.tagName("select"));

System.out.println("There are "+dropdown.size()+" select tags are available");

for(i=0;i<dropdown.size();i++)

{

System.out.println("Dropdown list "+(i+1)+" name is "+dropdown.get(i).getAttribute("name"));

// count option tags

java.util.List<WebElement>option=driver.findElements(By.tagName("option"));

System.out.println("There are "+option.size()+" option tags are available inside the select tags");

int j;

for(j=0; j<option.size();j++){

System.out.println("Option "+(j+1)+" is "+option.get(j).getText());

}

count++;

} System.out.println("============================================");

}

}

* **Output :**





