MILESTONE ASSESSMENT 2

1.

Question: 1

Enter the Student, Name in the corresponding fields. Make sure the id start with uppercase ST letters and 5 digits after that. Otherwise, prompt user while adding record to the table.

Choose the Department from the dropdown. The valid dropdown are Mechanical and Computer Science.

Choose Placement training either Required or not required. If both the option buttons are selected, it should prompt the user about it and allow the user to choose only one option.

On click of "Add Student" button, the data should be added to the table.

On click of "Count" button, it should count number of employees in each track from the records available in the table and display the total count near total no. of employee text.

If the placement training is required the row color for that particular row should change to green.

CODE:

```
<!DOCTYPE html>
<html lang="en">
   <meta charset="UTF-8" />
    <meta http-equiv="X-UA-Compatible" content="IE=edge" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>Document</title>
    <style>
      .mytable {
        margin: 30px 30px;
      .mytable,
      td,tr,th {
        border: black 1px solid;
    #sid #name
    border: 1.5px solid ;
    border-radius: 5px;
    padding: 3px;
```

```
outline: none;
   height: 25px;
label
   font-family: sans-serif;
   font-size: 14px;
button{
   background-color: red;
.container {
       border: black 2px solid;
       padding: 20px;
       width: 700px;
   </style>
 </head>
  <body>
   <div class="container" align="center">
     <form class="form" action="javascript:void(0);">
       <label for="id">Student Id</label>
       <input type="text" id="sid" placeholder="Student id"/>
              
       <label for="Department">Department</label>
       <select name="Dept" id="Department">
         <option value="Mechanical">Mechanical</option>
         <option value="Computer Science">Computer Science</option>
       </select><br>
       <label for="name">Student Name</label>
       <input type="text" id="sname" placeholder="Student Name" /> &nbsp;
   
       <label for="Placement Training">Placement Training</label>
       <input type="radio" id="Placement Training" name="p1" value="required"</pre>
required>Required
       <input type="radio" id="Placement Training" name="p1" value="not</pre>
required" required>Not Required<br><br>
       <button id="submit1" onclick="Click()">Add Student</button>
       <br>
       Student Id
           Student Name
           Department
           Placement Training
```

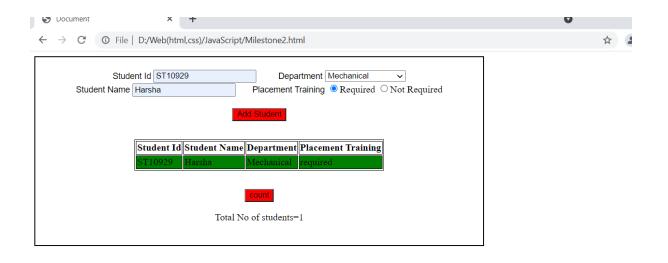
```
<button id="count" onclick="Count()">count</button>
        <center>
          </center>
      </form>
    </div>
    <script>
      var tab = document.querySelector(".mytable");
      var sub = document.querySelector("#submit1");
      var sname = document.getElementById("sname");
      var sid = document.getElementById("sid");
      var dept = document.getElementById("Department");
      var ele=document.getElementsByName("p1");
      var reg=new RegExp("^[0-9]+$");
      var count=0;
      function Click() {
        var plctrn;
for(var i = 0; i < ele.length; i++){</pre>
    if(ele[i].checked){
        plctrn = ele[i].value;
        console.log(plctrn);
        var idn=sid.value.trim();
        console.log(idn.substring(0,2))
        console.log(reg.test(idn.slice(2))+ " "+idn.slice(2));
        if(idn.startsWith("ST")&&reg.test(idn.slice(2))&&
idn.slice(2).length==5)
        console.log(sname.value+" "+sid.value+" "+dept.value+" "+plctrn);
        console.log(sname.innerHTML);
        var row = tab.insertRow();
        var cell1 = row.insertCell();
       var cell2 = row.insertCell();
        var cell3 = row.insertCell();
        var cell4 = row.insertCell();
        cell1.innerHTML = sid.value;
        cell2.innerHTML = sname.value;
        cell3.innerHTML = dept.value;
        cell4.innerHTML = plctrn;
        var regex = new RegExp('^' +plctrn+ '$', 'i');
        if(regex.test("required"))
          row.style.backgroundColor="green";
```

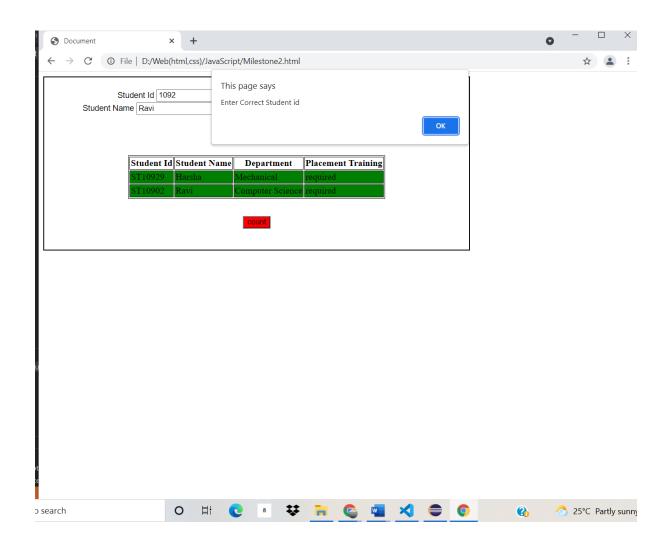
```
}
else if(regex.test("not required"))
{
    row.style.backgroundColor="gray";
}
count++;
}
else
{
    alert("Enter Correct Student id");
}
function Count()
{
    var sname = document.getElementById("get");
    get.innerHTML="Total No of students="+count;
}
</script>
</body>
</html>
```

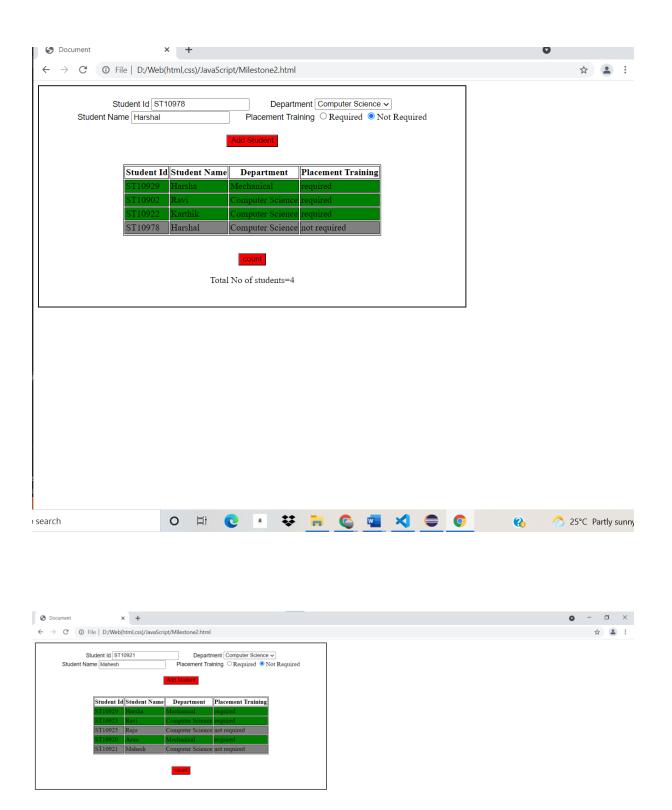
Output:

ScreenShots:











Selenium problem statement: 1. Go to https://www.homecentre.in/

- 2. Search for "tea cups" in the search box.
- 3. Click on the "Raisa-Retro Printed Tea Mug" from the list of cups shown.
- 4. Verify the name of the cup and Click on "Add to Basket" option to buy the cup from the site.
- 5. Verify the cup name in the Add to basket page. Print "cup name matched" in the console.
- 6. Click on proceed to checkout.
- 7. Close the browser.

```
package MileStone2_selenium;
import org.openga.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.openga.selenium.chrome.ChromeOptions;
public class Test {
    public static String url="https://www.homecentre.in/";
      public static void main(String[] args) throws InterruptedException
      //Browser Setup
      System.setProperty("webdriver.chrome.driver","D:\\SeleniumNew\\HARSHA\\ecli
pse-workspace\\MileStone2\\driver\\chromedriver.exe");
      ChromeOptions options=new ChromeOptions();
      options.addArguments("disable-popup-blocking");
    options.addArguments("--disable-notifications");
//Chrome driver intialization
      WebDriver driver=new ChromeDriver(options);
      //Opening the Url
      driver.get(url);
      driver.findElement(By.xpath("//input[@id='js-site-search-
input']")).click();
```

```
driver.findElement(By.xpath("//input[@id='js-site-search-
input']")).sendKeys("tea cups");
      driver.findElement(By.xpath("//input[@id='js-site-search-
input']")).sendKeys(Keys.ENTER);
      Thread.sleep(5000);
      WebElement product=driver.findElement(By.linkText("Raisa-Retro Printed Tea
Mug"));
      String cupname=product.getText();
      if(cupname.equals("Raisa-Retro Printed Tea Mug"))
      product.click();
      Thread.sleep(2000);
      WebElement addtobasket= driver.findElement(
By.xpath("(//button[@id='product-actions-btn-add'])[2]"));
      addtobasket.click();
      WebElement product_in_basket=driver.findElement(By.linkText("Raisa-Retro
Printed Tea Mug"));
      String cupname_in_basket=product_in_basket.getText();
      if(cupname_in_basket.equals("Raisa-Retro Printed Tea Mug"))
             System.out.println("cup name matched");
             WebElement
check out=driver.findElement(By.xpath("(//button[@id='btn-checkout'])[2]"));
             check_out.click();
             //System.out.println("Clicked on checkout");
      }
      driver.quit();
}
}
```

POM.XML file(The fie contains all the dependencies)

Screenshots:

