Assignment 1 -

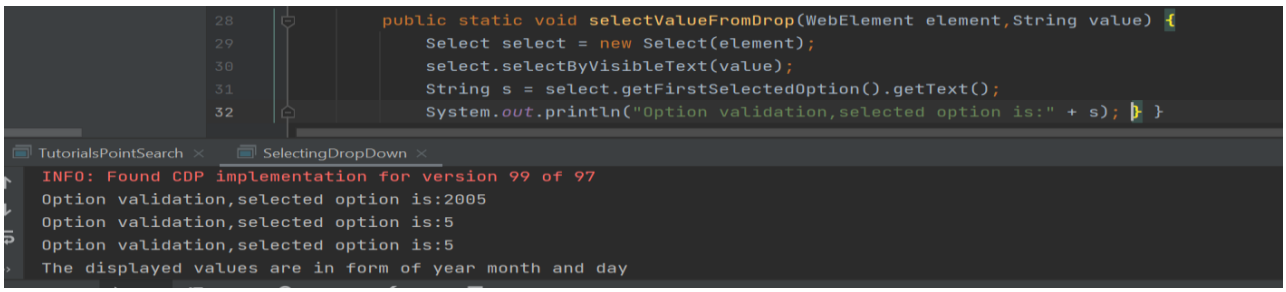
1.Launch https://codepen.io/abdulmlik/pen/dJOJov

2.Select date 05-05-2005 drom the dropdown and validate the same.

SOL: CODE

```
package Selenium;
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 SelectingDropDown {
    public static void main(String[] args) {

        System.setProperty("webdriver.chrome.driver",
"C:\\Users\\pa.puja\\Downloads\\chromedriver_win32\\chromedriver.exe");
        WebDriver driver = new ChromeDriver();
        driver.get("https://codepen.io/abdulmlik/pen/dJOJov");

        WebElement iframe = driver.findElement(By.tagName("iframe"));
        driver.switchTo().frame(iframe);

        WebElement year = driver.findElement(By.id("year"));
        WebElement month = driver.findElement(By.id("month"));
        WebElement day = driver.findElement(By.id("day"));

        selectValueFromDrop(year, "2005");
        selectValueFromDrop(month, "5");
        selectValueFromDrop(day, "5");
        System.out.println("The displayed values are in form of year month
and day");

    }
        public static void selectValueFromDrop(WebElement element,String
value) {
            Select select = new Select(element);
            select.selectByVisibleText(value);
            String s = select.getFirstSelectedOption().getText();
            System.out.println("Option validation,selected option is:" +
s); } }
```

OUTPUT:

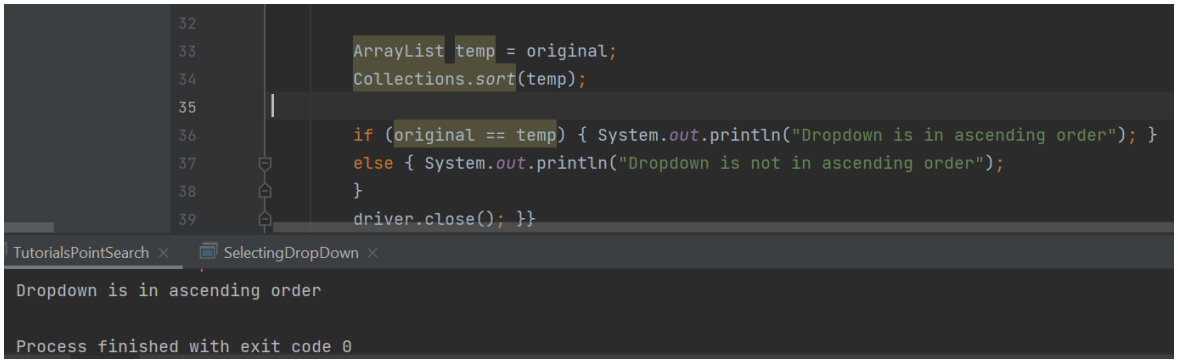


3. Fetch the year from the dropdown and validate the year is in Ascending Order.

SOL:

```
package Selenium;
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;
import java.util.ArrayList;
import java.util.Collections;
//import java.util.List;

public class TutorialsPointSearch {
    public static void main(String[] args) {

        System.setProperty("webdriver.chrome.driver",
"C:\\Users\\pa.puja\\Downloads\\chromedriver_win32\\chromedriver.exe");
        WebDriver driver = new ChromeDriver();

        driver.get("https://codepen.io/abdulmlik/pen/dJOJov");

        WebElement iframe = driver.findElement(By.tagName("iframe"));
        driver.switchTo().frame(iframe);

        Select s = new Select(driver.findElement(By.id("year")));
        s.selectByVisibleText("2005");

        WebElement element = driver.findElement(By.id("year"));
        Select options = new Select(element);
        ArrayList original = new ArrayList();

        for (WebElement e : options.getOptions()) {
            original.add(e.getText());
        }

        ArrayList temp = original;
        Collections.sort(temp);

        if (original == temp) { System.out.println("Dropdown is in
ascending order"); }
        else { System.out.println("Dropdown is not in ascending order");
        }
        driver.close(); }}
```

OUTPUT:



PART-2

1. Download the "Assignment.html" file attached in the mail.

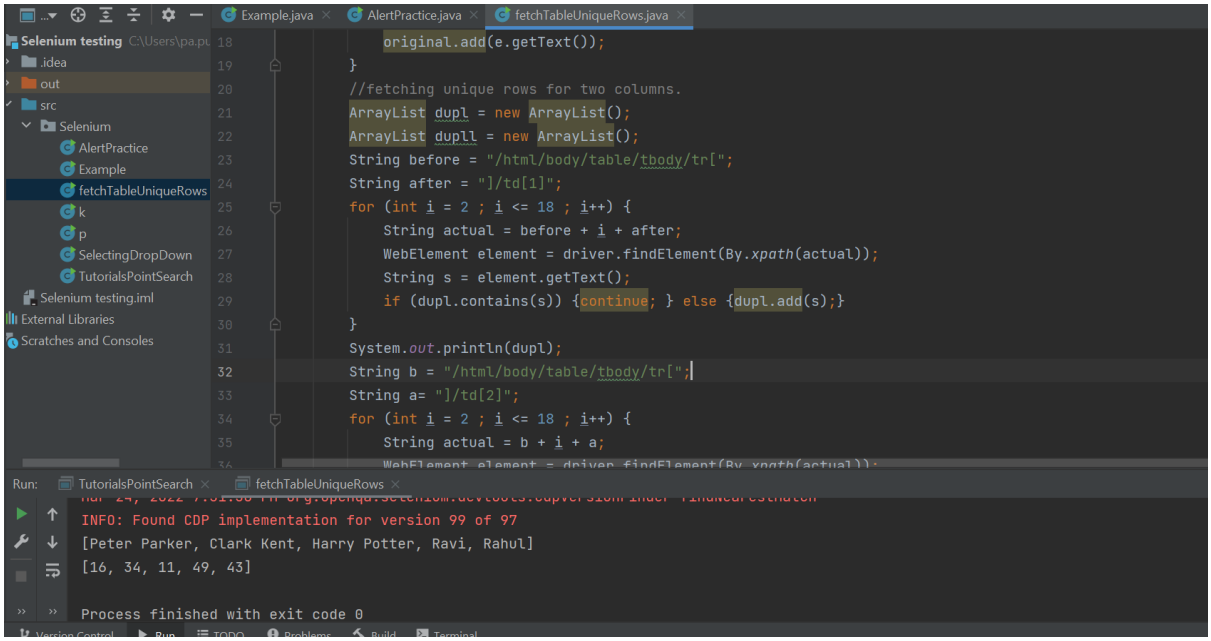
2. Launch the file.

3. Read the table and find the unique rows from the table.

SOL:

```
package Selenium;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import java.util.ArrayList;
import java.util.List;
public class fetchTableUniqueRows {
    public static void main(String[] args) {
        System.setProperty("webdriver.chrome.driver",
"C:\\Users\\pa.puja\\Downloads\\chromedriver_win32\\chromedriver.exe");
        WebDriver driver = new ChromeDriver();
        driver.get("file:///C:/Users/pa.puja/Downloads/Assignment.html");
        List<WebElement> rows =
driver.findElements(By.xpath("/html/body/table"));
//contains the entire information about file.
        ArrayList original = new ArrayList();
        for (WebElement e : rows) {

            original.add(e.getText());
        }
        //fetching unique rows for two columns.
        ArrayList dupl = new ArrayList();
        ArrayList dupll = new ArrayList();
        String before = "/html/body/table/tbody/tr[";
        String after = "]/td[1]";
        for (int i = 2 ; i <= 18 ; i++) {
            String actual = before + i + after;
            WebElement element = driver.findElement(By.xpath(actual));
            String s = element.getText();
            if (dupl.contains(s)) {continue; } else {dupl.add(s);}
        }
        System.out.println(dupl);
        String b = "/html/body/table/tbody/tr[";
        String a= "]/td[2]";
        for (int i = 2 ; i <= 18 ; i++) {
            String actual = b + i + a;
            WebElement element = driver.findElement(By.xpath(actual));
            String s = element.getText();
            if (dupll.contains(s)) {
                continue;
            } else {
                dupll.add(s);
            }
        }
        System.out.println(dupll);
    }
}
```

OUTPUT:


Example.java
AlertPractice.java
fetchTableUniqueRows.java
Selenium testing
.idea
out
src
Selenium
AlertPractice
Example
fetchTableUniqueRows
k
p
SelectingDropDown
TutorialsPointSearch
Selenium testing.iml
External Libraries
Scratches and Consoles
original.add(e.getText());
}
//fetching unique rows for two columns.
ArrayList dupl = new ArrayList();
ArrayList dupll = new ArrayList();
String before = "/html/body/table/tbody/tr[";
String after = "]/td[1]";
for (int i = 2 ; i <= 18 ; i++) {
String actual = before + i + after;
WebElement element = driver.findElement(By.xpath(actual));
String s = element.getText();
if (dupl.contains(s)) {continue; } else {dupl.add(s);}
}
System.out.println(dupl);
String b = "/html/body/table/tbody/tr[";
String a= "]/td[2]";
for (int i = 2 ; i <= 18 ; i++) {
String actual = b + i + a;
Run:
TutorialsPointSearch
fetchTableUniqueRows
INFO: Found CDP implementation for version 99 of 97
[Peter Parker, Clark Kent, Harry Potter, Ravi, Rahul]
[16, 34, 11, 49, 43]
Process finished with exit code 0