Selenium Assignment Questions

Assignment 1

1. Download and launch the "dropdown.html" file.
2. Select date 05-05-2005 from the dropdown and validate the same.
3. Fetch the year from the dropdown and validate the year in Ascending Order.

Dropdown.html

Assignment 2

1. Download and launch the "Assignment.html" file.
2. Launch the file.
3. Read the table and find the unique rows from the table.

Assignment.html

Assignment 3

2022 Elections

https://results.eci.gov.in/ResultAcGenMar2022/ConstituencywiseS0510.htm?ac=10

Each question is state wise

1. Output should be name of constituency, candidate name, and vote number/percentage or whatever is the deciding factor, dump all the data in excel with column (all column+state+constituency name).
2. get the candidate which has got the maximum vote in each state with their constituency name.
3. get the candidate which has got the maximum percentage of vote in each state with their constituency name. (percentage)
4. candidate who won with maximum vote difference.
5. candidate who won with maximum vote percentage difference.
6. candidate who won with the minimum vote.
7. candidate who won with minimum vote percentage.
8. total count of candidate who have got less vote than nota.
9. total count of candidates who have gotten greater than 50% vote.
10. name of candidate who has got minimum vote in each state.

Assignment 4

Please do the following assignment for cucumber framework -

1. Install Cucumber

2. Create a Cucumber project

3. Use the attached feature file and implement the stepDefinitions for all the scenarios in the feature file. (You can use dummy code in the stepDefinition methods)

Login.feature

4. Execute TestRunner.

5. Assign tags to specific scenarios in the feature file and execute TestRunner for those particular tags.

Assignment 5

Please do the following assignment for TestNG framework -

1. Install TestNG

2. Create a TestNG Project

3. Create 2 test classes (with 3 test cases each).

4. Keep the 2 test classes in 2 different <test> tags in testng.xml

5. Execute the tests above using testng.xml

6. Assign a group to a few test cases and update testng.xml to run test cases belonging to the group.

7. Assign priority to the test cases.

Once completed, please share the below files -

- testng.xml

- 2 test class files created

- Final Console Output (in a .txt file)

Answers

Assignment 1,2,4 – File Not Accessible

Assignment 3.

1. excel

```
import pandas as pd

# Load data
file_path = 'election_result.xlsx'
df = pd.read_excel(file_path)

#2
max_votes_per_state = df.loc[df.groupby('State')['Votes'].idxmax(), ['State', 'Constituency', 'Candidate', 'Votes']]

#3
max_percentage_per_state = df.loc[df.groupby('State')['Percentage'].idxmax(), ['State', 'Constituency', 'Candidate', 'Percentage']]

#4
df['Vote_Difference'] = df['Votes'] - df['Votes'].shift(-1)  # Assuming sorted data
```

```
max_vote_diff = df.loc[df['Vote_Difference'].idxmax(), ['Candidate', 'Vote_Difference']]

#5
df['Percentage_Difference'] = df['Percentage'] - df['Percentage'].shift(-1)  # Assuming sorted data
max_percentage_diff = df.loc[df['Percentage_Difference'].idxmax(), ['Candidate', 'Percentage_Difference']]

#6
min_votes = df.loc[df['Votes'].idxmin(), ['Candidate', 'Votes']]

#7
min_percentage = df.loc[df['Percentage'].idxmin(), ['Candidate', 'Percentage']]

#8
less_than_nota_count = df[df['Votes'] < df['NOTA']].shape[0]

#9
greater_than_50_count = df[df['Percentage'] > 50].shape[0]

#10
min_votes_per_state = df.loc[df.groupby('State')['Votes'].idxmin(), ['State', 'Constituency', 'Candidate', 'Votes']]

print("Max Votes Per State:\n", max_votes_per_state)
print("Max Percentage Per State:\n", max_percentage_per_state)
print("Max Vote Difference:\n", max_vote_diff)
print("Max Percentage Difference:\n", max_percentage_diff)
print("Min Votes:\n", min_votes)
print("Min Percentage:\n", min_percentage)
print("Less Than NOTA Count:\n", less_than_nota_count)
print("Greater Than 50% Count:\n", greater_than_50_count)
print("Min Votes Per State:\n", min_votes_per_state)

```