Lab Task: Javascript **Engr.Zakria Bacha**

Note:

1. Every student should do task by himself.
2. Task solution generated by ChatGpt is strictly prohibited.
3. Output and code should be clear.
4. Best practices and standard should be followed while writing code.

Objective:

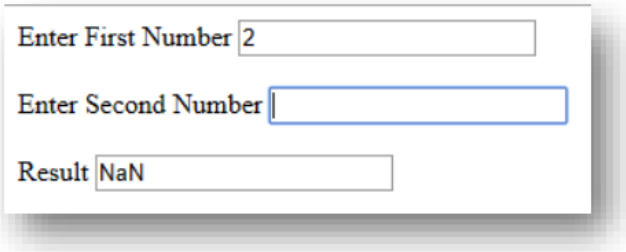
1. **Student will be able to use Javascript, popular language in frontend development.**
2. **Student will be able to use best practices and standards to write code.**
3. **Student will be able to use Html, Css, and javascript together to make professional web application.**

Lab Task(s):

1. Implement the concept as how to place JavaScript in the body section, head section and referencing JavaScript as an external file.
2. Create a function that helps in the addition of two integers.
3. Produce the following

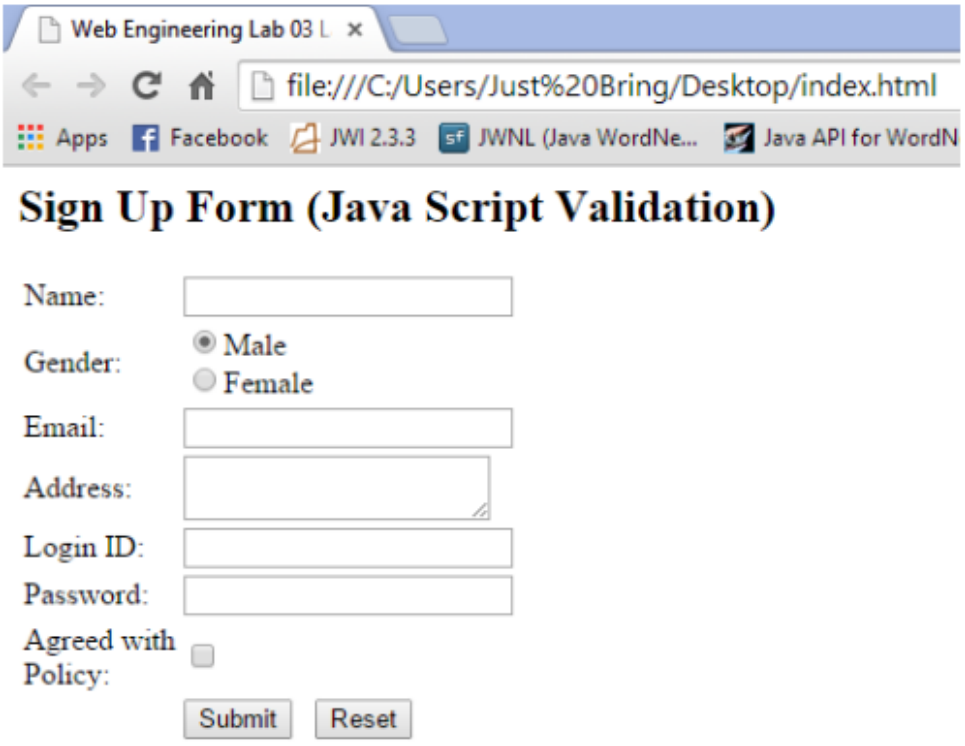

```
x  =  y + 1  ...Result = 3
x  +=  y  ...Result = 6
x  -+  y  ...Result = 3
x  *=  y  ...Result = 9
x  /=  y  ...Result = 3
```

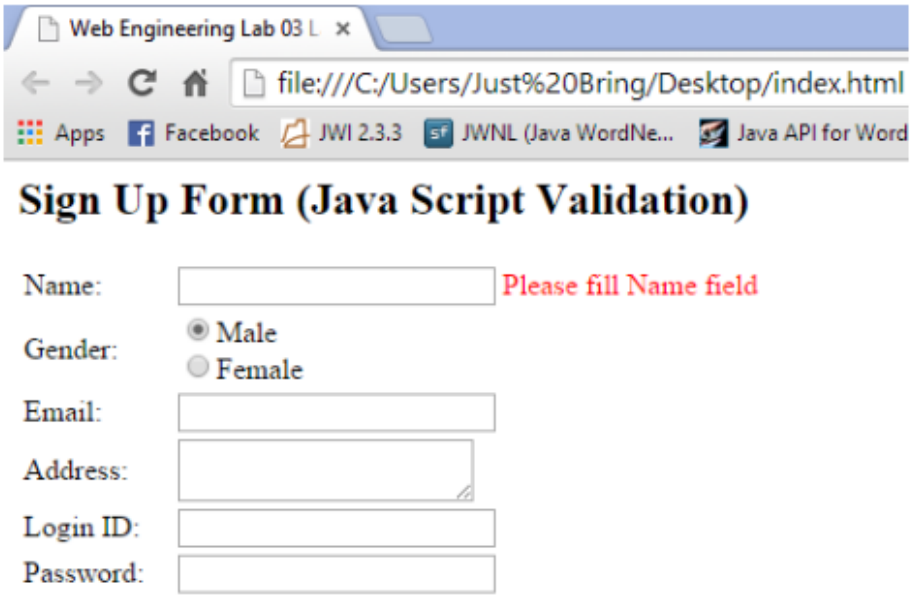
4. Prompt user to input 3 integers and return its sum and average in a dialogue box message.
5. Pretend there are three text boxes. The user will provide integer numbers and the addition of two textboxes will be shown in the third textbox. When the user input an integer in the first textbox, the resultant (third) textbox should display answer as NaN. After providing an input into the second textbox the addition result should be displayed in the third textbox. [Hint: Use Event handling concept] as shown below.



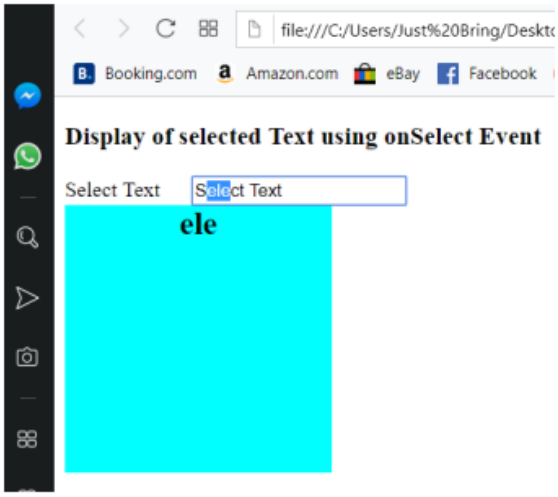
6. Pretend there is a dropdown menu and button against dropdown menu titled as **New Entry.** When the user clicks the button (**New Entry),** the dropdown menu should be replaced with the textbox as shown below.

7. Apply JavaScript validation for HTML form and show red color message against each invalid input field on form submission as shown below in figures.

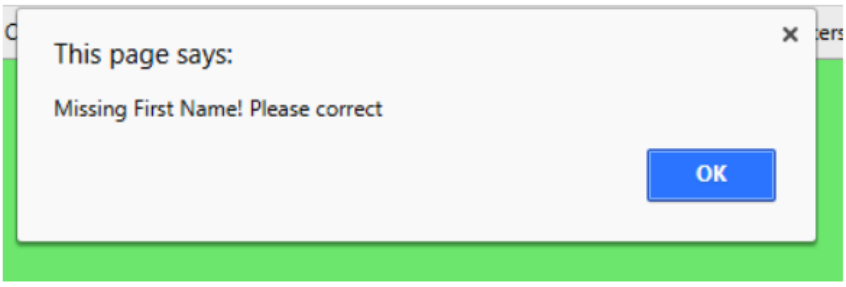

Web Engineering Lab 03 L
file:///C:/Users/Just%20Bring/Desktop/index.html
Apps
Facebook
JWI 2.3.3
JWNL (Java WordNe...
Java API for WordN
Sign Up Form (Java Script Validation)
Name:
Gender:
Male
Female
Email:
Address:
Login ID:
Password:
Agreed with Policy:
Submit
Reset


Web Engineering Lab 03 L
file:///C:/Users/Just%20Bring/Desktop/index.html
Apps
Facebook
JWI 2.3.3
JWNL (Java WordNe...
Java API for Word
Sign Up Form (Java Script Validation)
Name:
Please fill Name field
Gender:
Male
Female
Email:
Address:
Login ID:
Password:

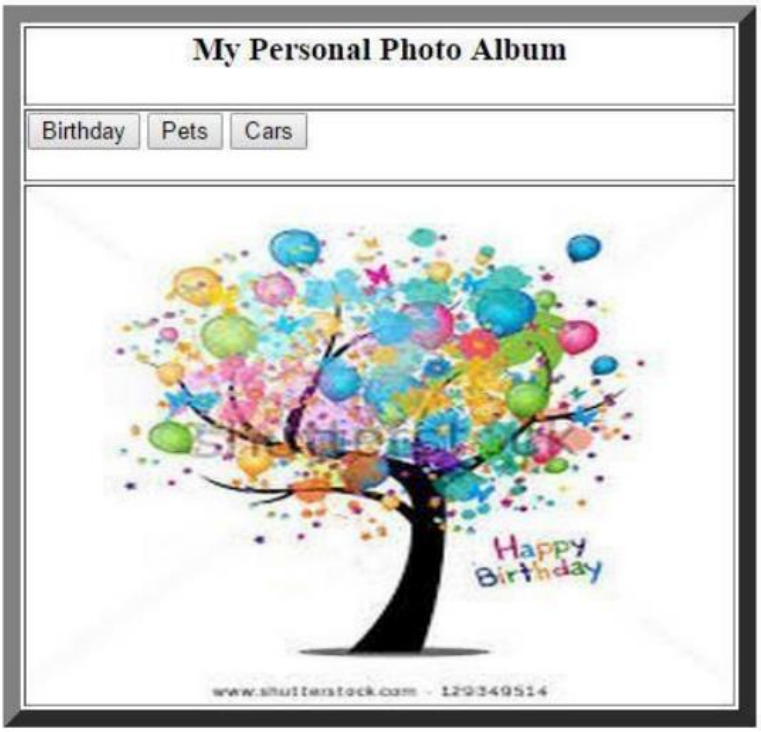
8. Implement the following task. Pretend there is a text box in which the user should enter some text. After entering the text, the user should select some or all the text and it should be display in a separate div as show below in the figure.



9. Pretend there is a bike dealer. Before purchasing bike, the user has to fill all the fields of a required form. After filling the form fields, the user has to validate the order before submission. If any of the field is empty, the user should be informed through an alert box for filling the missing field as shown below in figure:



10. Create "picture album" as shown in figure 01. There will be three categories in "picture album" as:

- Birthday
- Pets
- Cars

When user click on birthday category, picture must be display regarding birthday category and so on. By default, birthday picture must be display to the user or birthday category must be clicked.