

EXCELENCIA

STRING COMPARISION EXERCISE

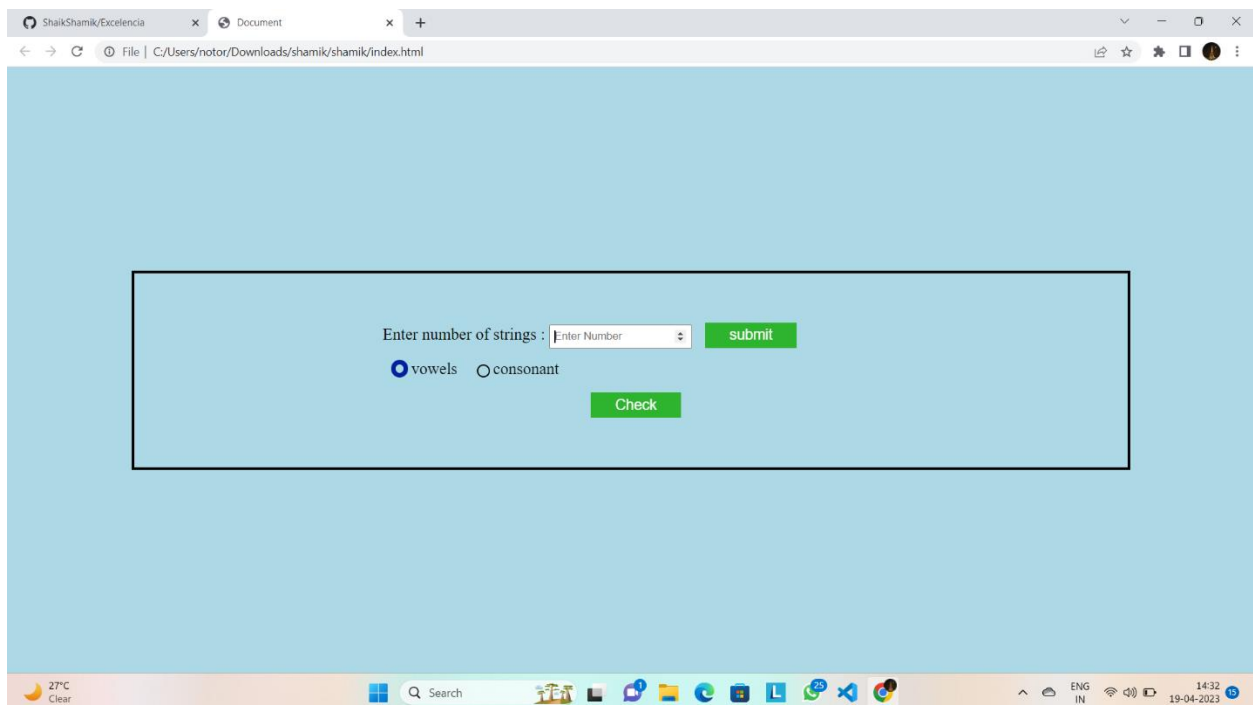
PROGRAMMING LANGUAGES USED:

- HTML – HTML5
- CSS – CSS3
- JAVA SCRIPT – ECMA SCRIPT 2021

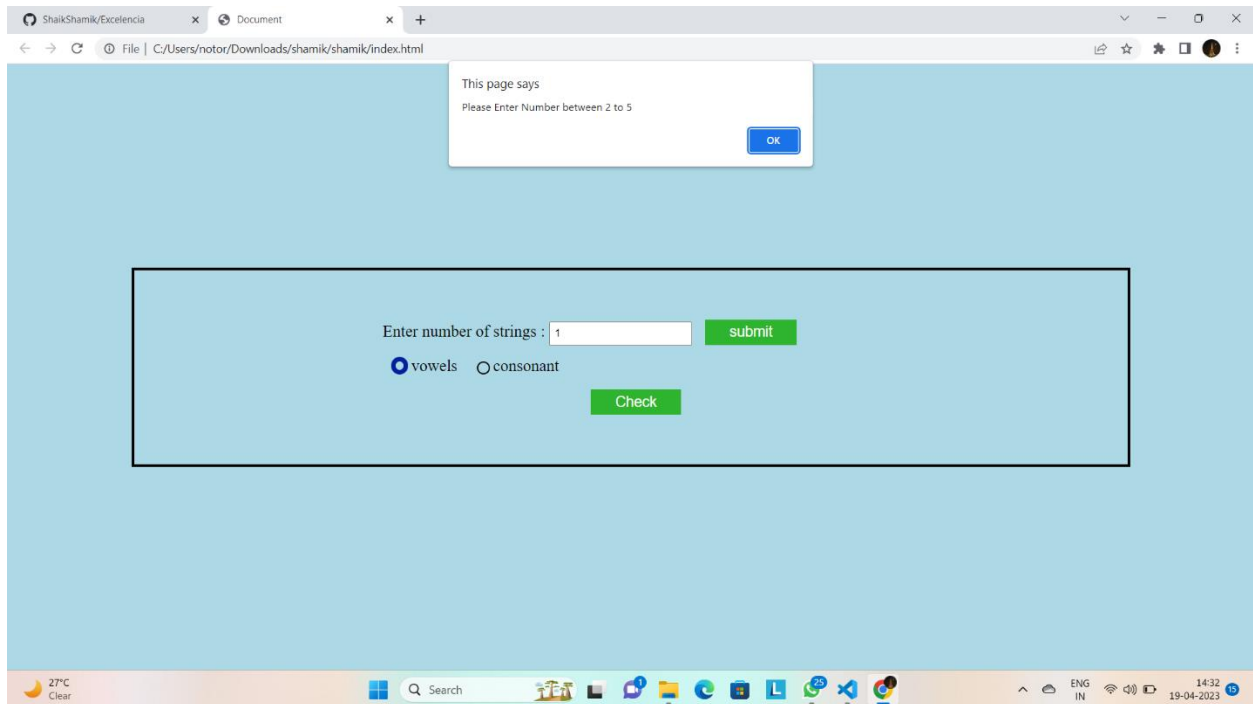
EXECUTION OF THE CODE:

STEP 1: This is the interface of the page.

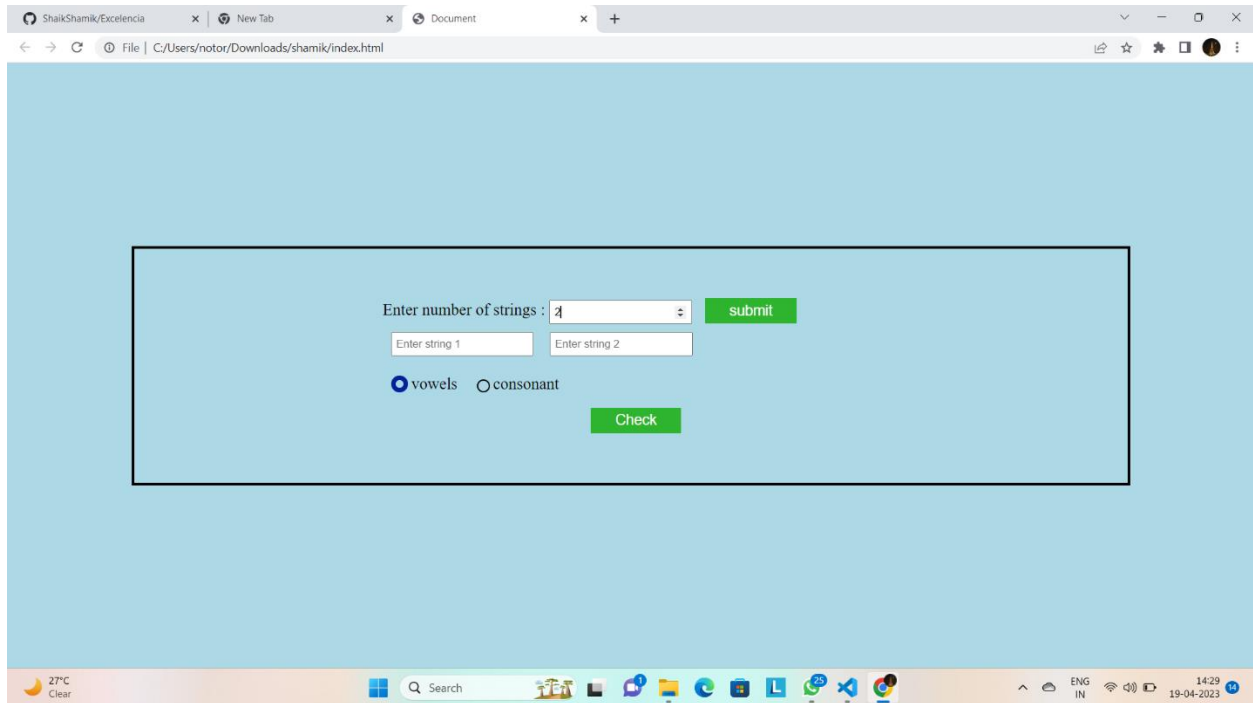
A dialogue box will appear which prompts user to ‘Enter number of strings’.



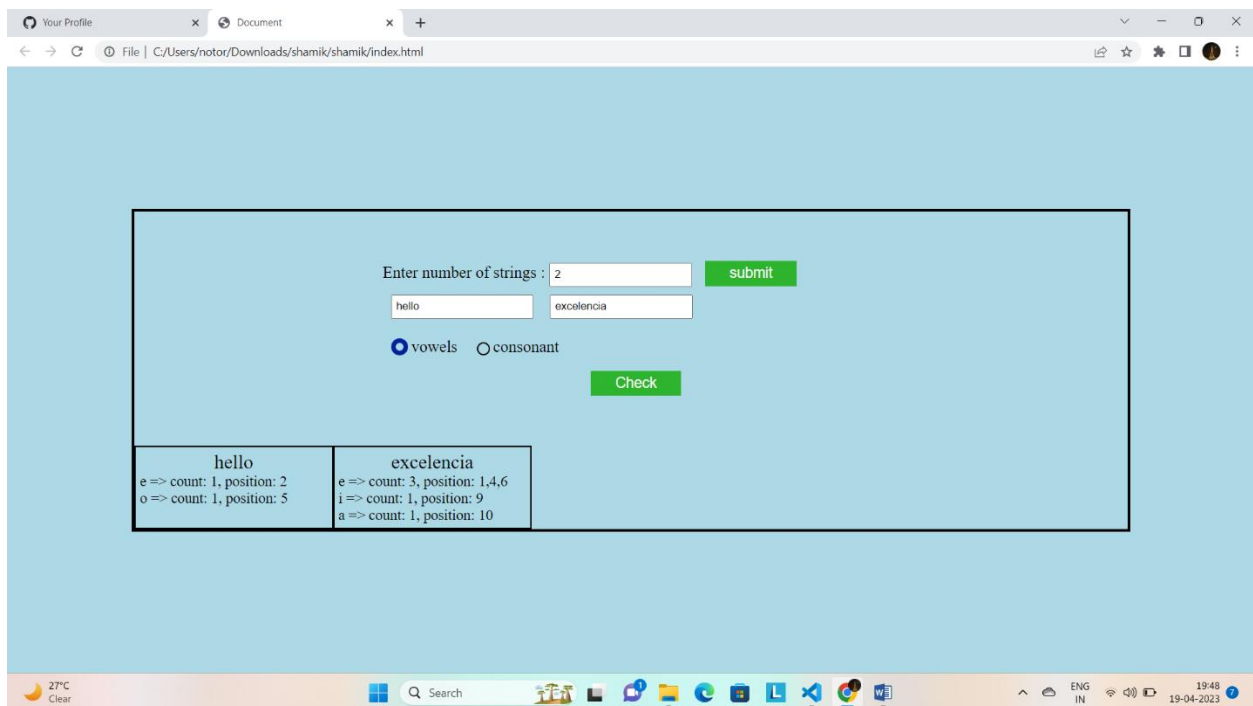
STEP 2: As the requirement is to enter values between 2 and 5, When we try to enter a number below than 2 and greater than 5 an alert message will appear showing that “Please enter number between 2 to 5”



STEP 3: We have to enter a valid number between 2 to 5 for execution. In the below Snaps we have taken ‘Number of strings’ as 2 to continue. Click on the “submit” button to proceed. It will prompt user to ‘Enter the Strings’ for comparison.



STEP 4: We have taken an input as “hello” in string1 and “excelencia” in string2. Now we need to check the count and position of either vowels or consonants. Vowels is selected by default, we can also choose consonants as per our requirement. After the selection by clicking on the “check” button the output can be displayed as follows (The count and their respective positions).



STEP 5: We can also able to count the number of consonants and their respective positions by clicking on the consonant button.

The screenshot shows a web browser window with the address bar displaying 'C:/Users/notor/Downloads/shamik/shamik/index.html'. The web application has a light blue background. In the center, there is a form with the following elements:

- A label 'Enter number of strings :' followed by a text input field containing '2' and a green 'submit' button.
- Two text input fields, one containing 'hello' and the other 'excelencia'.
- Two radio buttons: 'vowels' (unselected) and 'consonant' (selected).
- A green 'Check' button.

Below the form, there is a table with two columns. The first column is titled 'hello' and the second is titled 'excelencia'. The first column contains the following text:

```
h => count: 1, position: 1  
l => count: 2, position: 3,4
```

The second column contains the following text:

```
x => count: 1, position: 2  
c => count: 2, position: 3,8  
l => count: 1, position: 5  
n a => count: 1, position: 7
```

The Windows taskbar at the bottom shows the date and time as 19-04-2023, 19:48.

STEP 6: When we try to enter a string which consists of numbers and special characters, an alert message will appear saying that “Input strings should contain only alphabets, please change the input”.

The screenshot shows the same web application as in Step 5, but with an alert message displayed. The alert message box is white with a blue border and contains the text:

This page says
Input Strings should contain only Alphabet, please change the input

Below the alert message, there is a green 'OK' button. The form below the alert message is the same as in Step 5, but with the following changes:

- The text input field for the first string now contains '1324'.
- The text input field for the second string now contains '@\$%&#'

The Windows taskbar at the bottom shows the date and time as 19-04-2023, 14:34.

NOTE: Please refresh the page, when entering a new input or when changing the 'Number of Strings' need to be compared.