String

1.1. Write a Function that accepts a string from user through prompt and count the number of 'e' characters in it.

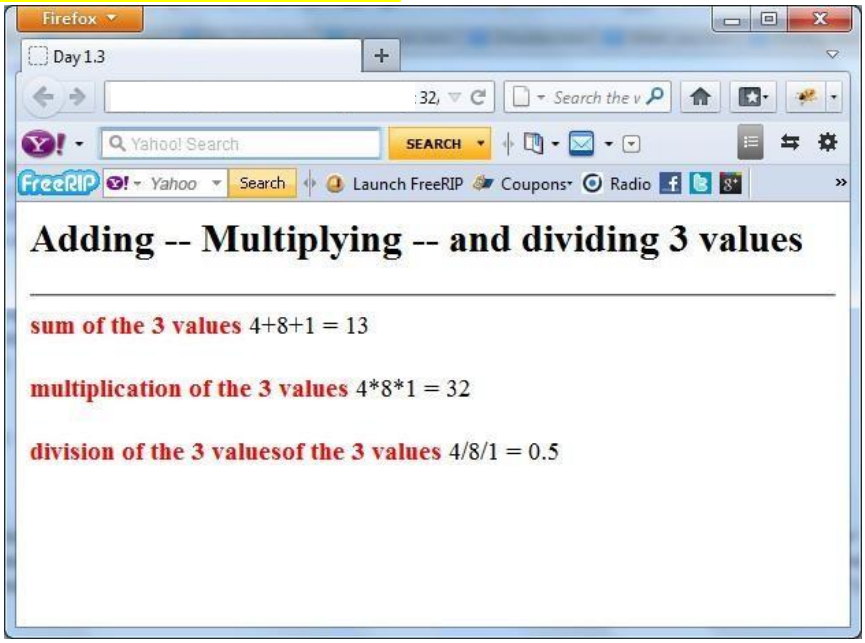
1.2. Write a Function to determine whether the entered string is palindrome or not. Request the string to be entered via prompt, ask the user whether to consider case sensitivity of the entered string or not via confirm, handle both cases in your script

i.e. RADAR NOON MOOM are palindrome.

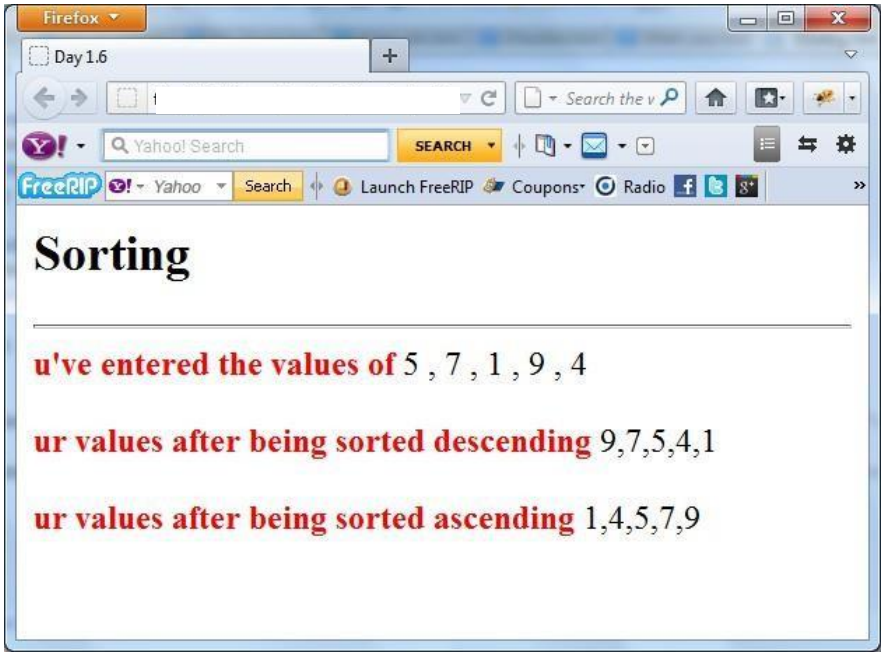
Note: raDaR is not a palindrome if user requested considering case of entered string, it will be palindrome if user requested ignoring case sensitivity.

Array Object

1.3. Fill an array of 3 elements from the user, and apply each of the following mathematical operations on it (+, *, /).
Format the output as shown in Fig.



1.4. **Fill an array (5 numerical values) from the user, Sort it in descending and ascending orders then display the output as shown in Fig.**

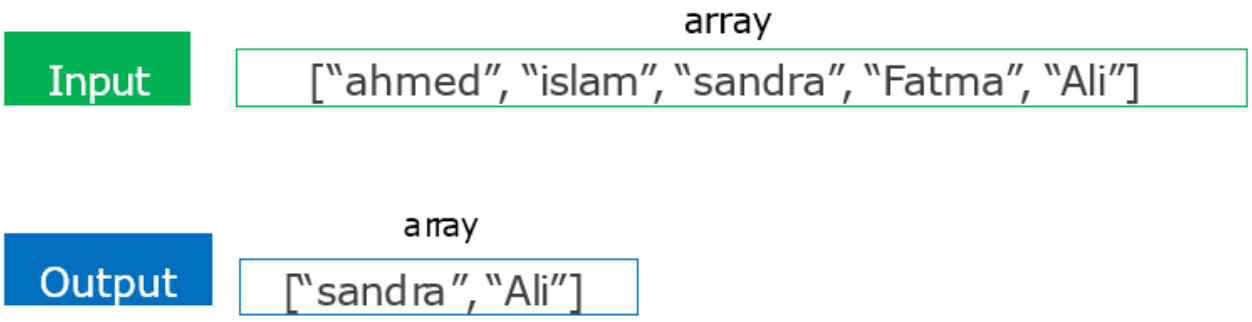


1.5. **Write a function that take a sentence and a letter to search for it in the given sentence and return its**

	String	Letter
Input	"This is javaScript"	"i"

	array
Output	[2, 5, 15]

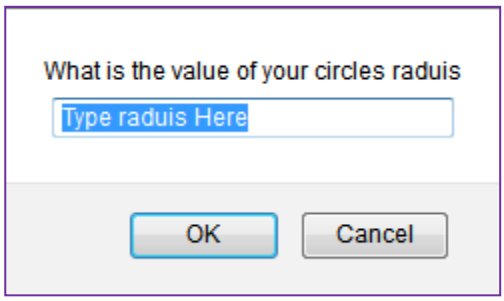
1.6. Write a function that take an array of persons' names and return two random names of them.

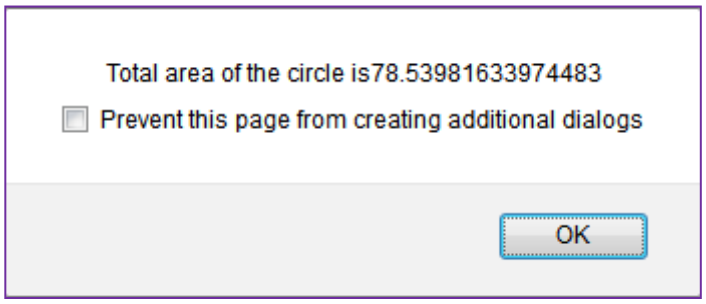


2. Math Object

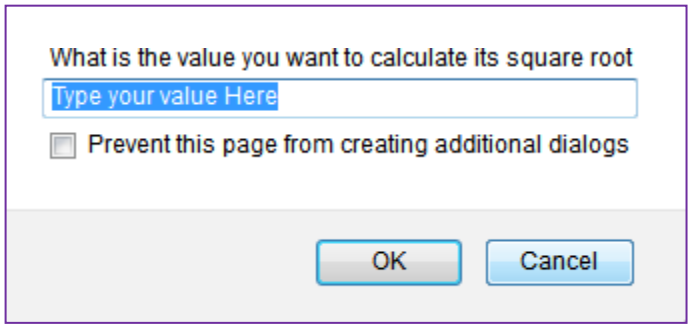
Write a script that ask the user to

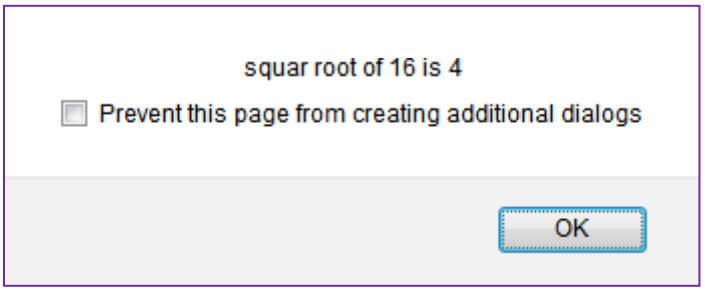
- **Enter the value of a circle's radius in order to calculate its area as shown in fig.**





- **Enter another value to calculate its square root and alert the result as shown in fig.**





- **Enter an angle to calculate its cos value then display the output as shown in Fig.**