Test Cases for Multiples of 4 or 6 or both - Array Function.

Scenario 1: Function Validates array of valid numbers (Combination of positive and negative numbers)
- GIVEN John is on the Multiple counter page
- WHEN he enters the valid numbers separated by comma, (E.g. 1,4,6,8,-12,14,22,26)
- THEN a result is displayed with the numbers that are Multiple of 4 or 6 or both, including the count of the numbers in ascending order.
- AND For above given example the output should be: Following 4 numbers are Multiple of 4 or 6 or both: -12 4 6 8

Scenario 2: Function returns zero, result when no number match the criteria
- GIVEN John is on the Multiple counter page
- WHEN he enters the numbers : 1,3,4,7,9,19,17,49,53
- THEN a result is displayed as : "None of the numbers is a Multiple of 4 or 6. "

Scenario 3: Function rejects empty value
- GIVEN John is on the Multiple counter page
- WHEN he does not enter any number, and hits the 'Find Multiples' button.
- THEN a validation message is shown as "Please fill out this field"

Scenario 4: Function rejects numbers with space
- GIVEN John is on the Multiple counter page
- WHEN he enters the valid numbers with extra space.
- THEN a validation error is shown "Please match requested format : Only numbers separated by comma..."

Scenario 5: Function rejects array with string value
- GIVEN John is on the Multiple counter page
- WHEN he enters the alphabetic characters, E.g. a,19,b,24,36,48
- THEN a validation error is shown "Please match requested format : Only numbers separated by comma..."

Scenario 6: Function Rejects Array with non integer value
- GIVEN John is on the Multiple counter page

- WHEN he enters : 1,22.5,56,78,99.5
- THEN a validation error is shown "Please match requested Format : Only numbers separated by comma..."

Scenario 7: Function removes 0 from the results
- GIVEN John is on the Multiple counter page
- WHEN he enters array with one of the value as zero : 12,0,5,4,80,90,100,66,42,48,52
- THEN function removes 0 from calculation and a result is displayed as : Following 9 numbers are Multiple of 4 or 6 or of both: 4 12 42 48 52 66 80 90 100.

Test Cases for Palindrome Function:

Scenario 1: Function validates a palindrome string
- GIVEN John is on the Palindrome validator page
- WHEN he enters the string "**madam**"
- THEN a result is displayed as 'Entered String madam is Palindrome'

Scenario 2: Function successfully validates a non palindrome string
- GIVEN John is on the Palindrome validator page
- WHEN he enters the string "**video**"
- THEN a result is displayed as 'Entered String video is not a Palindrome'

Scenario 3: Function rejects empty value
- GIVEN John is on the Palindrome validator page
- WHEN he does not enter any value and hits the 'Validate Palindrome' button.
- THEN the result is shown as "You have left the name field empty, you must enter a test string."

Scenario 4: Function rejects string with space
- GIVEN John is on the Palindrome validator page
- WHEN he enters valid string value with extra space
- THEN a validation error is shown "Please match requested format : Only Alphanumeric Values..."

Scenario 5: Function rejects string with any special characters value
- GIVEN John is on the Palindrome validator page
- WHEN he enters the string containing special characters
- THEN a validation error is shown "Please match requested format : Only Alphanumeric values..."

Scenario 6: Function validates a palindrome string where all characters are numbers
- GIVEN John is on the palindrome validator page
- WHEN he enters the string "**1234321**"
- THEN a result is displayed as 'Entered String 1234321 is Palindrome'

Scenario 7: Function successfully validates a non palindrome String where all characters are numbers
- GIVEN John is on the palindrome validator page
- WHEN he enters the string "**1223456**"
- THEN a result is displayed as 'Entered String 1223456 is not a Palindrome'

Scenario 8: Function validates a palindrome string containing alphanumeric values
- GIVEN John is on the palindrome validator page
- WHEN he enters the string "**abc14541cba**"
- THEN a result is displayed as 'Entered String abc14541cba is Palindrome

Scenario 9: Function successfully validates a non palindrome string containing alphanumeric values

- GIVEN John is on the palindrome validator page
- WHEN he enters the string "**xcalibur1963**"
- THEN a result is displayed as 'Entered String xczlibur1963 is not a Palindrome'

Scenario 10: Function returns false for palindrome string with different character casing
- GIVEN John is on the palindrome validator page
- WHEN he enters the string "**LEvel**"
- THEN a result is displayed as 'Entered String LEvel is not a Palindrome'