@Jiraticket  
Feature: Factorial Calculation  
  
 @positive\_test  
 Scenario Outline: Factorial of a positive number  
 Given UI: I am on factorial calculator page  
 And UI: Input an integer <value>  
 And UI: Click Calculate  
 Then UI: Verify the result on web is <result>  
 Examples:  
 | **value** | **ui\_result** | **api\_result** |  
 | **5** | **120** | **120** |  
 | **0** | **1** | **1** |  
 | **1** | **1** | **1** |  
 | **500** | | |  
  
  
 @parametertest  
 Scenario Outline: Factorial of a positive number with arthematic calculation(s)  
 Given UI: I am on factorial calculator page  
 And UI: Input an integer <value>  
 And UI: Click Calculate  
 Then UI: Verify the result on web is <result>  
 Examples:  
 | **value** | **ui\_result** | **api\_result** |  
 | **+2\*+5** | **120** | **120** |  
 | **+5\*4** | **1** | **1** |  
 | **-3\*-6** | **1** | **1** |  
 | **500** | | |  
  
  
 @positive\_test  
 Scenario Outline: Factorial of a non negative number  
 Given UI: I am on factorial calculator page  
 And UI: Input an integer <value>  
 And UI: Click Calculate  
 Then UI: Verify the result on web is <result>  
 Examples:  
 | **value** | **error\_message** |  
 | **-2** | **Please enter an integer** |  
 | **-5.0** | **Please enter an integer** |  
 | **-00.500** | **Please enter an integer** |  
 | **-25** | **Please enter an integer** |  
  
 @paramtertest  
 Scenario Outline: Factorial of a decimal or floating number  
 Given UI: I am on factorial calculator page  
 And UI: Input an integer <value>  
 And UI: Click Calculate  
 Then UI: Verify the warning message is <error\_message>  
 Examples:  
 | **value** | **error\_message** |  
 | **2.5** | **Please enter an integer** |  
 | **10.0** | **Please enter an integer** |  
 | **2.83** | **Please enter an integer** |  
 | **4.0000** | **Please enter an integer** |  
  
  
 @negativetest  
 Scenario Outline: Calculate factorial of a 0 and 1  
 Given UI: I am on factorial calculator page  
 And UI: Input an integer <positive\_int\_value>  
 And UI: Click Calculate  
 Then UI: Verify the warning message is <error\_message>  
 Examples:  
 | **value** | **ui\_result** |  
 | **-0** | **1** |  
 | **-0000** | **1** |  
 | **0** | **1** |  
 | **1** |**1** |  
 | **+1** |**1** |  
  
 @negativetest  
 Scenario Outline: Calculate factorial of negative values  
 Given UI: I am on factorial calculator page  
 And UI: Input an integer <positive\_int\_value>  
 And UI: Click Calculate  
 Then UI: Verify the warning message is <error\_message>  
 Examples:  
 | **value** | **error\_message** |  
 | **-1.0** | **Please enter an integer** |  
 | **-1** | **Please enter an integer** |  
 | **-0.00** | **Please enter an integer** |  
 | **-0.5** | **Please enter an integer** |  
 | **-5.0** | **Please enter an integer** |  
 | **-6** | **Please enter an integer** |  
 | **-450** | **Please enter an integer** |  
 |**-500.0** | **Please enter an integer** |  
  
  
 @negativetest  
 Scenario Outline: Factorial of a alpha numeric  
 Given UI: I am on factorial calculator page  
 And UI: Input an integer <value>  
 And UI: Click Calculate  
 Then UI: Verify the warning message is <error\_message>  
 Examples:  
 | **value** |**error\_message** |  
 | **$£&** |**Please enter an integer**|  
 | **12%\*3** |**Please enter an integer**|  
 | **)(&765** |**Please enter an integer**|  
 | **asd** |**Please enter an integer**|  
 | **123gr1** |**Please enter an integer**|  
 | **dsa55WE** |**Please enter an integer**|  
 | **-2321fds**|**Please enter an integer**|  
  
 @uitest  
 Scenario: Verify the page title  
 Given UI: I am on factorial calculator page  
 Then UI: page title is "Factorial"  
  
 @uitest  
 Scenario: Verify the page content  
 Given UI: I am on factorial calculator page  
 Then UI: copyright content has correct spacing  
  
 @uitest  
 Scenario: Verify the copyright year  
 Given UI: I am on factorial calculator page  
 Then UI: copyright is displayed with <correct year format>