TEST-CASE

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ID | DESCRIPTION | STEPS | EXPECTED RESULT | PASS/FAIL |
| 1 | Сheck triangle for different sides(p) | 1. Run the program 2. Enter values “3 4 5” 3. Check result | Message in console: “Common triangle” | pass |
| 2 | Check triangle for isosceles(p) | 1. Run the program 2. Enter values “2 2 3” 3. Check result | Message in console: “Isoscele triangle” | pass |
| 3 | Check triangle for equilateral  (p) | 1. Run the program 2. Enter values “2 2 2” in console 3. Check result | Message in console: “Equilateral triangle” | pass |
| 4 | Check ExistanceTriangle on the non-existence of a triangle(p) | 1. Run the program 2. Enter values “1 2 10” 3. Check result | return false | pass |
| 5 | Check ExistanceTriangle on the non-existence of a triangle when 1 of the sides is closer to null(p) | 1. Run the program 2. Enter values “Math.Pow(10, -6) 1 2” 3. Check result | return false | pass |
| 6 | Check ExistanceTriangle for isosceles with close(accuracy  0.000001  ), but different sides.(p) | 1. Run the program 2. Enter values “1 1.000001 1.505” 3. Check result | return true | pass |
| 7 | Check ExistanceTriangle for correct operation with double values of sides(p) | 1. Run the program 2. Enter values “3.005 4.95 6.35001” 3. Check result | return true | pass |
| 8 | Check ExistanceTriangle for correct operation with negative values(n) | 1. Run the program 2. Enter values “-5 -10 7” 3. Check result | return false | pass |
| 9 | Check ExistanceTriangle when Instead a number enter some symbol(n) | 1. Run the program 2. Enter values “a 1 2” in console 3. Check result | return false | fail |
| 10 | Check ExistanceTriangle when enter one of the numbers exceed range of Double  (n) | 1. Run the program 2. Enter value/values more than 10e20 3. Check result | return false | fail |
| 11 | Check for correct operation when enters a value separated by Space | 1. Run the program 2. Enter 3 double numbers by Space 3. Check result | Message in console: “Common triangle”  or  “Isoscele triangle”  or  “Equilateral triangle”  or  “Triangle with such sides does not existance: try again.”  Request to re-enter data. |  |
| 13 | Check for correct operation when enters a value separated by Enter | 1. Run the program 2. Enter 3 double numbers by Enter 3. Check result | Message in console: “Common triangle”  or  “Isoscele triangle”  or  “Equilateral triangle”  or  “Triangle with such sides does not existance: try again.”  Request to re-enter data. |  |
| 14 | Check for correct operation when trying to enter more than 3 parameters | 1. Run the program 2. Enter 4 double numbers 3. Check result | The program must be executed before the 4 parameter is entered |  |