

MODULE TESTED:

1. Sudoku (int size)
2. SetPossibleValues(values)

Test ID	Test Scenario	Test Case	Pre-Condition	Test Steps (Method)	User Input	Actual Result	Additional Comments	Status
TC_01	1. n ² x n ² grid is generated by Sudoku(n) 2. generated value String of size (n ²)	Enter valid number of character values	No. of character should be size² and each unique character should be of String type	Sudoku(size)	size= 3	Returns True	Size can be any positive value	PASS
				setPossibleValues (Values)	values=" a b c d e f g s w "		parameter has size ² unique characters	
TC_02	1. n ² x n ² grid is generated by Sudoku(n) 2. generated value String of size (n ²)	Enter valid number of integer values	No. of character should be size² and each unique character should be of String type	Sudoku(size)	size= 3	Returns True	Size can be any positive value	PASS
				setPossibleValues (Values)	values=" 3 2 6 1 7 4 5 8 9 "		parameter has size ² unique integer characters	
TC_03	1. n ² x n ² grid is generated by Sudoku(n) 2. generated value String of size (n ²)	Enter valid number of integer + String values	No. of character should be size² and each unique character should be of String type	Sudoku(size)	size= 3	Returns True	Size can be any positive value	PASS
				setPossibleValues (Values)	values=" e w 6 a 7 x 5 y 9 "		parameter has size ² unique integer and string characters	
TC_03	1. n ² x n ² grid is generated by Sudoku(n) 2. generated value String of size (n ²)	Enter valid number of integer + String values	No. of character should be size² and each unique character should be of String type	Sudoku(size)	size= 3	Returns True	Size can be any positive value	PASS
				setPossibleValues (Values)	values=" e w 6 a 7 x 5 y 9 "		parameter has size ² unique integer and string characters	
TC_04	1. n ² x n ² grid is generated by Sudoku(n) 2. generated value String of size (n ²)	Enter invalid number of String values	No. of character should be size² and each unique character should be of String type	Sudoku(size)	size= 3	Returns False	Size can be any positive value	FAIL
				setPossibleValues (Values)	values=" e 6 a 7 x y 9 "		number of unique characters is less than size ²	

TC_05	1. n ² x n ² grid is generated by Sudoku(n) 2. generated value String of size (n ²)	Enter invalid number of String values	No. of character should be size² and each unique character should be of String type	Sudoku(size)	size= 3	Returns False	Size can be any positive value	FAIL
				setPossibleValues (Values)	values=" e w 6 8 a 7 x t 5 y 9 "		number of unique characters is more than size ²	
TC_06	1. n ² x n ² grid is generated by Sudoku(n) 2. generated value String of size (n ²)	Enter invalid number of String values	No. of character should be size² and each unique character should be of String type	Sudoku(size)	size= 3	Returns False	Size can be any positive value	FAIL
				setPossibleValues (Values)	values=" "		value parameter can't be null or empty string	
TC_07	1. n ² x n ² grid is generated by Sudoku(n) 2. generated value String of size (n ²)	Pass Null / Empty String	No. of character should be size² and each unique character should be of String type	Sudoku(size)	size= 3	Returns False	Size can be any positive value	FAIL
				setPossibleValues (Values)	values=" "		value parameter can't be null or empty string	
TC_07	1. n ² x n ² grid is generated by Sudoku(n) 2. generated value String of size (n ²)	Enter duplicate String values	No. of character should be size² and each unique character should be of String type	Sudoku(size)	size= 3	Returns False	Size can be any positive value	FAIL
				setPossibleValues (Values)	values=" w w 6 a a x t b b g "		No character must be repeated more than once.	