Test table for the JSON Parser with results

Test №	TEST File	Input	Description	Result
1	valid_empty_object.test	{}	Empty object	PASS
2	valid_empty_array.test	[]	Empty Array	PASS
3	invalid_unfinished_object.test	{	Incomplete closure of an object	PURPOSEFUL ERROR (syntax error)
4	invalid_unfinished_array.test	[	Incomplete closure of an array	PURPOSEFUL ERROR (syntax error)
5	valid_simple_object.test	{"greeting": "hello"}	Simple string within an object	PASS
6	inv_smpl_obj_miss_comm.test	{"greeting": "hello" "greeting2": "hi"}	Missing comma	PURPOSEFUL ERROR (syntax error)
7	valid_negative_number.test	{"negnum": -2}	Negative number	PASS
8	valid_simple_array.test	[0,1,2,3,4,5]	Simple numerical array	PASS
9	invalid_simple_object.test	{"greeting":"hello}	Missing quotation marks	PURPOSEFUL ERROR (syntax error)
10	invalid_array.test	[0,1,2,3,4,5,]	Extra comma	PURPOSEFUL ERROR (syntax error)
11	invalid_colon_only.test	{:}	A standalone colon with no objects or arrays	PURPOSEFUL ERROR (syntax error)
12	invalid_missing_colon.test	{"greeting" "hello"}	Two objects which are not separated by a colon	PURPOSEFUL ERROR (syntax error)
13	valid_numerical_testing.test	{"int":1, "double": 1.1, "posexp": 0.123e+5, "negexp": 1.213e-1}	Testing integer, decimal, exponential formatting	PASS
14	valid_values.test	{"values": [true, false, null, 6, ""]}	Testing Boolean and empty strings	PASS
15	valid_exponential.test	{"exp1":5E+1, "exp2" :5E-1}	Testing exponential formats	PASS

Test №	TEST File	Input	Description	Result
16	valid_escape.test	{"\"": "quotation mark", "\\": "single backslash", "\b": "backspace", "\f": "feed character", "\n": "new line", "\r": "carriage return character", "\t": "tab", "\/": "forward slash"}	Two-character escape sequence representations	PASS
17	valid_hex.test	{"hex": "\u0123"}	Testing hexadecimal digits	PASS
18	valid_weather.test	{"coord": { "lon": -0.13, "lat": 51.51}, "weather": [{"id": 300, "main": "Drizzle", "description": "light intensity drizzle", "icon": "09d"}], "main": {"temp": 280.32, "pressure": 1012, "humidity": 81, "temp_min": 279.15, "temp_max": 281.15}}	Example JSON code in coursework brief	PASS

Test №	TEST File	Input	Description	Result
19	valid_widget.test	{"widget": { "debug": "on", "window": { "title": "Sample Konfabulator Widget", "name": "main_window", "width": 500, "height": 500 }, "image": { "src": "Images/Sun.png", "name": "sun1", "hOffset": 250, "vOffset": 250, "alignment": "center" }, "text": { "data": "Click Here", "size": 36, "style": "bold", "name": "text1", "hOffset": 250, "vOffset": 100, "alignment": "center", "onMouseUp": "sun1.opacity = (sun1.opacity / 100) * 90;" } }}	Example of JSON message. [1] Demonstrates nested arrays and nested objects.	PASS

References

1. JSON.org. (2017). JSON Example. [online] Available at: http://json.org/example.html [Accessed 9 Nov. 2017].