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| **Input** | **Action** | **Expected Result** |
| New QueryString(“name=Alice&age=19&country=UK”) | getParameter(“name”) | Alice |
| New QueryString(“name=Alice&age=19&country=UK”) | getParameter(“age”) | 19 |
| New QueryString(“name=Alice&age=19&country=UK”) | getParameter(“country”) | UK |
| New QueryString(“name=Alice&age=19&country=UK”) | getParameter(“address”) | Null |
| New QueryString(“name=Alice&age=19&country=UK”) | getParameter(“Name”) | Null |
| New QueryString(“name=Alice&age=19&country=UK”) | getParameter(“”) | Null |
| New QueryString(“name=Alice&age=19&country=UK”) | hasParameter(“name”) | True |
| New QueryString(“name=Alice&age=19&country=UK”) | hasParameter(“age”) | True |
| New QueryString(“name=Alice&age=19&country=UK”) | hasParameter(“country”) | True |
| New QueryString(“name=Alice&age=19&country=UK”) | hasParameter(“address”) | False |
| New QueryString(“name=Alice&age=19&country=UK”) | hasParameter(“count”) | False |
| New QueryString(“name=Alice&age=19&country=UK”) | hasParameter(“”) | False |
| New QueryString(“name=Alice&age=19&country=UK”) | getParameterOffset(“name”) | 0 |
| New QueryString(“name=Alice&age=19&country=UK”) | getParameterOffset(“age”) | 11 |
| New QueryString(“name=Alice&age=19&country=UK”) | getParameterOffset(“country”) | 18 |
| New QueryString(“name=Alice&age=19&country=UK”) | getParameterOffset(“address”) | -1 |
| New QueryString(“”) | getParameter(“name”) | Null |
| New QueryString(“”) | getParameter(“”) | Null |
| New QueryString(“”) | getParameter(null) | Null |
| New QueryString(“”) | hasParameter(“name”) | False |
| New QueryString(“”) | hasParameter(“”) | False |
| New QueryString(“”) | hasParameter(null) | False |
| New QueryString(“”) | getParameterOffset(“other”) | -1 |
| New QueryString(“message=Hello%2C+world%21”) | getParameter(“message”) | Hello, world! |
| New QueryString(“message=Hello%2C+world%21”) | getParameter(“other”) | Null |
| New QueryString(“message=Hello%2C+world%21”) | hasParameter(“message”) | True |
| New QueryString(“message=Hello%2C+world%21”) | hasParameter(“other”) | False |
| New QueryString(“message=Hello%2C+world%21”) | getParameterOffset(“message”) | 0 |
| New QueryString(“message=Hello%2C+world%21”) | getParameterOffset(“other”) | -1 |
| New QueryString(“message=Hello%2C+world%21”) | Call method decode() | Hello, world! |
| New QueryString("message=%5 B+Hello+%40everyone+%3B%29+% 5D") | getParameter(“message”) | Error – the space after “%5” breaks the code as it tries to complete percent encoding on “%5 “ which doesn’t exist |
| New QueryString("message=%5 B+Hello+%40everyone+%3B%29+% 5D") | getParameter(“other”) | Null |
| New QueryString("message=%5 B+Hello+%40everyone+%3B%29+% 5D") | hasParameter(“message”) | True |
| New QueryString("message=%5 B+Hello+%40everyone+%3B%29+% 5D") | hasParameter(“other”) | False |
| New QueryString("message=%5 B+Hello+%40everyone+%3B%29+% 5D") | getParameterOffset(“message”) | 0 |
| New QueryString("message=%5 B+Hello+%40everyone+%3B%29+% 5D") | getParameterOffset(“other”) | -1 |
| New QueryString("message=%5 B+Hello+%40everyone+%3B%29+% 5D") | Call method decode() | Error – the space after “%5” breaks the code as it tries to complete percent encoding on “%5 “ which doesn’t exist |
| New QueryString(“message=%5B+Hello+%40everyone+%3B%29+%5D”) | getParameter(“message”) | [ Hello @everyone ;) ] |
| New QueryString(“message=%5B+Hello+%40everyone+%3B%29+%5D”) | getParameter(“other”) | Null |
| New QueryString(“message=%5B+Hello+%40everyone+%3B%29+%5D”) | hasParameter(“message”) | True |
| New QueryString(“message=%5B+Hello+%40everyone+%3B%29+%5D”) | hasParameter(“other”) | False |
| New QueryString(“message=%5B+Hello+%40everyone+%3B%29+%5D”) | getParameterOffset(“message”) | 0 |
| New QueryString(“message=%5B+Hello+%40everyone+%3B%29+%5D”) | getParameterOffset(“other”) | -1 |
| New QueryString(“message=%5B+Hello+%40everyone+%3B%29+%5D”) | Call method decode() | [ Hello @everyone ;) ] |