**Test Plan**

**CST8152 – Compilers, Assignment #2**

# A. Standard Test

* Method: Run the scanner with input files that represent different cases lexically correct, lexical errors, empty file, long names / out of bound numbers…
* Source files: buffer.c, buffer.h, table.h, token.h, scanner.c, platy\_st.c
* Output files: ass2r.out, ass2w.out, a2empty.out, a2error.out
* Tools: Total Commander, Command Prompt
* Expected result: The output files should match byte-to-byte with the provided output files,
* Result:

|  |  |  |  |
| --- | --- | --- | --- |
| No. | File | Type | Working |
| 1 | ass2r.out | Lexically correct | Y |
| 2 | ass2w.out | Lexical errors | Y |
| 3 | a2empty.out | Empty file | Y |
| 4 | a2error.out | Long names + out of bound | Y |

# B. Handle EOF value (-1, 255 or 0xFF)

* Method: Modified platy\_st.c to add EOF instead of SEOF (\0) at the end of the source buffer. The line was modified is **112.**
* Source files: buffer.c, buffer.h, table.h, token.h, scanner.c, **platy\_st\_eof.c**
* Output files: ass2r\_eof.out, ass2w\_eof.out, a2empty\_eof.out, a2error\_eof.out
* Expected result: The output files should match the lists of generated tokens with the provided one, **except for SEOF\_T** token need to have attribute value 1 (enum SEOF\_EOF)
* Tools: Total Commander, Command Prompt
* Result:

|  |  |  |  |
| --- | --- | --- | --- |
| No. | File | Type | Working |
| 1 | ass2r\_eof.out | Lexically correct | Y |
| 2 | ass2w\_eof.out | Lexical errors | Y |
| 3 | a2empty\_eof.out | Empty file | Y |
| 4 | a2error\_eof.out | Long names + out of bound | Y |