

# P1 Testing

This section is non-exhaustive testing of P1

## 1. Create test files:

1. **P1\_test1.sp2020** containing just one character (with standard \n at the end) :  
X
2. **P1\_test2.sp2020** containing a list of all the tokens listed, all separated by a space or new line. For ids, use X, Xy, and Xyz, for numbers, use 1, 12, and 23.  
X Xy Xyz 1 12 23  
//etc
3. If WS not required, create another file where some token from above are combined w/o WS (as long as the token combination doesn't create a new token)  
**P1\_test3.sp2020** containing a mix of tokens without spaces and with spaces.  
X X+ Xy X>=Xyz  
/etc
4. Test also with some extra comments, should not change the outputs
5. **P1\_test4.sp2020** containing  
x x23

## 2. Run the invocations and check against predictions

1. \$ scanner P1\_test  
Program error file not found
2. \$ scanner < P1\_test1  
System error file not found
3. \$ scanner < P1\_test1.sp2020  
IDTk X 1  
EOFTk
4. \$ scanner P1\_test1  
As above
5. \$ scanner P1\_test2  
Should output all listed tokens, one per line, ending with EOFTk
6. \$ scanner P1\_test3  
Should output the tokens you have in the file, splitting properly merged tokens
7. \$ scanner P1\_test4  
SCANNER ERROR: ...  
Should output the token