

## Assignment 1a – Grading Criteria

### EXECUTION POINTS (60 POINTS)

- *The student's program should compile, run and produce the correct output (based on the reference output of PascalSLex.exe.*
- Test Case 1 (*hanoi.pas*) – 20 points
  - Every line containing incorrect tokens is -1 point
- Test Case 2 (*errors.pas*) – 20 points
  - Main focus here is that the lexical analyzer correctly identifies and prints the errors
  - There are 5 errors printed in this program, each one is worth 3 points
  - Overall correctness of the other tokens is 5 points
- Test Case 3 (*PascalSLex.pas*) – 20 points
  - We are not checking every token
  - Overall soundness of the output is important

### IMPLEMENTATION DETAILS (30 POINTS)

- *We are looking for correct functionality (at least conceptually). The actual structure or naming of the functions is irrelevant.*
- Distinguishes identifiers and keywords – 10 points
- Distinguishes integers and real numbers – 10 points
- Correct handling of floating-point numbers (readscale/adjustscale functionality) – 5 points
- Handling of special characters – 5 points

### CODE POINTS (10 POINTS)

- Code formatting (correct indentation, variable names, etc.) – 5 points
- Overall input / output is setup correctly – 5 points
- There is an optional 5 point bonus if your coding style demonstrates elegance that goes beyond a line-by-line transliteration.

### NOTES:

- If the assignment was submitted up to 24 hours late, there is a 10% deduction from the final grade; submitting between 24 – 48 hours late results in a 20% deduction.
- For this assignment there will be no points deducted if the output format doesn't exactly match the expected format.
- If the program does not compile or crashes, 15 points will be deducted from the execution points; if only a small fix is required 2 – 3 points are taken off.