02.01.2020

CS370

## Lab 2.1

- 1. Problem: Program did not track line numbers of input.
- 2. Changes made:
  - Added new rule to count the number of lines. This rule also prints the newline, instead of just consuming it.
  - Created a new integer variable to keep track of line numbers.

## Modified code:

```
응응
  /* Modified by: Brianna Moffett
       Changes made:
       -added new line number variable, added rule to track line number,
added line number as param to printf in "/*" rule
        int comment = 0;
        int debug=0; /* prints out debug statements if desired */
    int linenumber = 1; /*line number var*/
응응
      {printf("\n", linenumber++);}
\n
'' / * ''
    if (comment) fprintf(stderr,
        " >>>>>> line %d: Possible Nested comment
<<<<<<\\n",linenumber);
    comment = 1;
    }
" * / "
          if (!comment) printf("%s",yytext); /*print out if it is not in a
comment */
        comment = 0;
   }
       { if (!comment) printf("%s",yytext);}
응응
```

```
int yywrap(void)
{ return 1;
}
int main()
{
  yylex();
}
```

## Terminal output: