CSE 341 HW2 Sample Output

Flex

Input Text

```
1901042701_Kilinc_BahadirEtka  >  ≡ sample_input.txt
1    ;; helloworld.g++
2    (deffun sumup (x)
3        (if(equal x 0)
4            1
5            (+ x (sumup (-x 1)))
6        )
7    )
```

```
bahadiretka@Bahadrs-MacBook-Air 1901042701_Kilinc_BahadirEtka % ./out sample_input.txt
;; helloworld.g++ : COMMENT
( : OP_OP
deffun : KW_DEFFUN
sumup : IDENTIFIER
( : OP_OP
x : IDENTIFIER
) : OP_CP
( : OP_OP
if : KW_IF
( : OP_OP
equal : KW_EQUAL

x : IDENTIFIER
0 : VALUEI
) : OP_CP
1 : VALUEI
( : OP_OP
+ : OP_PLUS
x : IDENTIFIER
( : OP_OP
sumup : IDENTIFIER
( : OP_OP
- : OP_MINUS
x : IDENTIFIER
1 : VALUEI
) : OP_CP
) : OP_CP
) : OP_CP
) : OP_CP
) : OP_CP
```

Lisp

```
● ● ●              📁 1901042701_Kilinc_BahadirEtka — -zsh — 111×40
bahadiretka@Bahadrs-MacBook-Air 1901042701_Kilinc_BahadirEtka % clisp gpp_lexer.lisp sample_input.txt      ]
bahadiretka@Bahadrs-MacBook-Air 1901042701_Kilinc_BahadirEtka %
```

Result will be written in parsed_lisp.txt

```
1901042701_Kilinc_BahadirEtka  >  ≡ parsed_lisp.txt
1    ((";;" "COMMENT")("(" "OP_OP")("deffun" "KW_DEFFUN")("sumup" "IDENTIFIER")("(" "OP_OP")("x" "IDENTIFIER")(")" "OP_CP")("(" "OP_OP")("if
```