

# CS 4115

## Homework 2

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### 1

```
{ open Parser }

let digit = ['0' - '9']
let fraction = ['.' ] digit*
let exponent = ['e' 'E'] ['+' ' -']? ['0' - '9']+
let right_side = ((fraction | exponent) | (fraction exponent))

let my_float = (digit+ right_side) | ('.' digit+ right_side?)

rule token = parse
    [' ' '\t' '\r' '\n'] { token lexbuf }
    | "/"* { comment lexbuf }
    | my_float as lxm { FLOAT(lxm) }
    | eof { EOF }

and comment = parse
    "*"/* { token lexbuf }
    | - { comment lexbuf }
```

### 2