# Flow

<---------- File ---------->

Read in the source file

If there’s content

Start scanning

If not

Exit (No content to scan)

<---------- Scanner ---------->

Variables:

* active\_string = “”;

For each character of the file contents

* Start token detection
  + Append current character to **active\_string**
  + Check whether updated string matches any token type patterns
    - If a token match exists
      * Add current string to the list of token types (Including the token name, type and length)
      * Initialize **active\_string** to empty
      * Stop current iteration
    - If a token match doesn’t exist