```
File Manipulation Language: FML

Data Types:
  - integer
  - boolean
  - directory
  - file
  - line
  - string
  - character

Operators:

  Append:
  |----------|          |----------|
  | Data Type |    +    | Data Type |
  |----------|          |----------|

  Remove:
  |----------|          |----------|
  | Data Type |    -    | Data Type |
  |----------|          |----------|

  Comparisson (Equal):
  |----------|          |----------|
  | Data Type |    =    | Data Type |
  |----------|          |----------|

  Comparisson (Not Equal):
  |----------|          |-----------|
  | Data Type |    !=   | Data Type |
  |----------|          |-----------|

  Comparisson by Reference:
  |----------|          |----------|
  | Data Type |    &    | Data Type |
  |----------|          |----------|

Example Program:

def main ()
  /* Setting up our Directory */
  directory home <- "~/home"

  /* Initializing two file variables to some files available within
the directory. */
  file file_1 <- "file_name_1.txt" in home
  file file_2 <- "file_name_2.txt" in home

  /* If contents of both files are equal. */
```

```
   if file_1 = file_2 then
     print "They are equals!"
   else
     /* Allocate a new file, and store the contents of file_1 that are
not in file_2 */
     file temp <- file_1 - file_2
   end

   string hello <- "Hello World!"
   integer index <- search hello ? file_1
   if index != -1
     print "String successfully found."
   else
     print "String not found."
   end

   file temp
   for home_file in home
     temp <- temp + home_file
   end
end
```