

## 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
```