

# ATF Main

## 1 The Main Method

```
module Main (main) where

import System.Environment
import Help
import Compile

main :: IO ()
main = do
  clargs <- getArgs
  case clargs of
    -- main commands
    "help" : []          -> help "all"
    "help" : topic : [] -> help topic
    "compile" : []       -> help "compile"
    "compile" : fp_trans : fp_srcs -> do
      putStrLn $ "-----"
      putStrLn $ "compiling with:"
      putStrLn $ "- translator: " ++ fp_trans
      putStrLn $ "- sources:    " ++ (list_to_string fp_srcs)
      putStrLn $ "-----"
      putStrLn $ "compilation status:"
      compile fp_trans fp_srcs
    -- other commands
    command : _ -> error $ "unrecognized command: " ++ command
    []          -> error "use 'atf help <topic>' for help"

list_to_string :: [String] -> String
list_to_string ss = case ss of
  []      -> ""
  (x:[])  -> x
  (x:y:xs) -> x ++ ", " ++ y ++ (list_to_string xs)
```