

This is the famous Hello world example, written in Haskell:

```
import Prelude hiding (zip, zipWith, partition)
main :: IO ()
main = putStrLn "Hello, world!"

zip :: [a] -> [b] -> [(a, b)]
zip = zipWith (\a b -> (a, b))

zipWith :: (a -> b -> c) -> [a] -> [b] -> [c]
zipWith z (a : as) (b : bs) = z a b : zipWith z as bs
zipWith _ _ _ = []

partition :: (a -> Bool) -> [a] -> ([a], [a])
partition p xs = foldr select ([], []) xs
  where select x (ts, fs) | p x = (x : ts, fs)
                        | otherwise = (ts, x : fs)
```