

CSE 130 (Wi 25) Handout

March 13, 2025

Question 1

Lets write a program that prints multiple things:

```
main :: IO ()
main = combine (putStrLn "Hello,") (putStrLn "World!")
```

```
-- putStrLn :: String -> IO ()
-- combine   :: ???
```

What must the *type* of `combine` be?

```
combine :: _____
```

Question 2

Suppose you have two recipes

```
readLn :: IO String      -- read a string from stdin
putStrLn :: String -> IO () -- print a string to stdout
```

and we want to get

```
main :: IO ()
main =
  putStrLn "What is your name?" `combineWith` (\_ ->
    readLn `combineWith` (\name ->
      putStrLn ("Hello " ++ name ++ "!")
    )
  )
```

What must the type of `combineWith` be?

```
combineWith :: _____
```