```haskell
-- Lab02 Exercises
--
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module Lab_funs
where

-- compute the average of two numbers
--
average      :: Float -> Float -> Float
average a b  = (a + b) / 2.0

-- compute the average of three numbers
--
average3        :: Float -> Float -> Float -> Float
average3 a b c  = (a + b + c) / 3.0

-- given a name, produce a greeting
--
greeting        :: String -> String
greeting name  = "Hello " ++ name

-- given a name, produce a longer greeting
--
longGreeting        :: String -> String
longGreeting name  = "Hello " ++ name ++ "!  How are you?"
```