Haskell

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What is Haskell?

Haskell is a typed, functional, pure, lazy programming language.
Why learn Haskell?

- Beautiful code
- Ultimate abstraction
- „If it compiles, it works.“
- Refactoring is possible
- Makes you a better programmer
- Beautiful code
Example code 1

```haskell
main = do
    putStrLn "Hello World! Who are you?"
    name <- getLine
    putStrLn ("Welcome to Haskell, " ++ name ++ "!")
```
sort [] = []
sort (p:xs) = sort lt ++ [p] ++ sort gt

where (lt, gt) = partition (\x -> x < p) xs
Example code 3

```haskell
fibs :: [Integer]
fibs = 0 : 1 : zipWith (+) fibs (tail fibs)
```
Demo Time

https://code.world/haskell#PcFS_R4k5BjQIl_mFq08JlA
More Haskell facts

• Haskell older than *insert favorite language*
• Haskell can be interpreted or compiled.
• Cross-Platform (including JavaScript).
• Lots of libraries on [http://hackage.haskell.org](http://hackage.haskell.org)
Want to learn Haskell?

http://haskell.org/
Thank you