Quiz

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Quiz 1

Evaluate expression

```
succ (2 - pred 1)

drop 2 (take 4 "Haskell") > map succ "cat"

sum (map fromEnum (enumFrom False))

map (\x -> x * 2) [1,3..10] ++ [100,1000]
```

Guess type signature

```
max "Haskell"

map fst

map (take 2)
```

Quiz 2

Guess type signature

```
(++) [True]
```

```
zip [0..]
```

```
map filter
```

Guess type signature

```
alph = 'a' : alph
```

```
foo = zipWith (:)
```

```
f = f f
```

```
y g = g (y g)
```

Quiz 3

Guess type signature

```
z x y = zip x (concat y)

concatMap f x = concat (map f x)

f = 0 : 1 : zipWith (+) f (tail f)
```

Guess the function(s)

```
_ :: a -> a

_ :: a -> b

_ :: a -> [a] -> [a]

_ :: [a] -> Maybe (a, [a])
```

Quiz 4

Guess the function(s)

```
_ :: a -> b -> a
```

```
_ :: (a -> b -> c) -> b -> a -> c
```

```
_ :: ((a, b) -> c) -> a -> b -> c
```

```
_ :: (a -> b -> c) -> (a, b) -> c
```

Guess the function(s)

```
_ :: (a -> b) -> a -> b
```

```
_ :: (b -> c) -> (a -> b) -> a -> c
```

```
_ :: (b -> a -> b) -> b -> [a] -> b
```

```
_ :: (a -> b -> b) -> b -> [a] -> b
```

Quiz 5

Evaluate expression

```
(2^) . (3+) $ 4
```

```
map ($2) [(*2), (^3), (1+)]
```

```
(++ "!") . reverse $ "abc"
```

Guess type signature

```
flip const
```

```
const undefined
```

```
foldr (:) []
```

```
((filter even .) .)
```

Q&A