# 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])
```

# Q&A