

# Partial Application

```
const names = ['Alonzo Church', 'Haskell Curry', 'Alan Turing']
```

```
const join = curry((glue, xs) => xs.join(glue))
```

```
const split = curry((sep, s) => s.split(sep))
```

```
const map = curry((fn, xs) => xs.map(fn))
```

```
const tail = xs => xs[xs.length - 1]
```

```
const toLower = s => s.toLowerCase()
```

```
const fn = compose(
```

```
  join(' '),
```

```
  map(toLower),
```

```
  map(tail),
```

```
  map(split(' '))
```

```
)
```

```
console.log(fn(names)) // alonzo-haskell-alan
```

# Partial Application

```
const fn2 = compose(toLower, tail, split(' '))
```

```
const fn = compose(  
  join(' '),  
  map(fn2)  
)
```