

Learning to Program with F#
Exercises
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0.1 Sum types

0.1.1 Teacher's guide

0.1.2 Introduction

The following exercises are about defining and using simple sum types.

0.1.3 Exercise(s)

0.1.3.1: Implement a function `safeDivOption : int -> int -> int option` that takes two integers a and b as arguments and returns `None` if b is 0 and the value `Some(a/b)`, otherwise.

0.1.3.2: Consider the parametric type `result`, defined as follows:

```
type ('a,'b) result = Ok of 'a | Err of 'b
```

Implement a function `safeDivResult : int -> int -> (int,string) result` that takes two integers a and b as arguments and returns `Err "Divide by zero"` if b is 0 and the value `Ok(a/b)`, otherwise.