



UNIVERSITÉ DE FRIBOURG
UNIVERSITÄT FREIBURG

Série 1 – Programmation fonctionnelle Haskell

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Introduction

Exercise 2: *GHCI + tutoriel*

- a) *Prenez connaissance des diverses commandes prédéfinies, (accessibles depuis la commande `:help`), essayez entre autres la commande `:t` et la commande `:set prompt`*

```
:t (==)
```

```
:i (==)
```

```
:t max
```

Exercise 3: *Create yours first functions*

- a) *A function that calculates the sum of 4 parameters of type `Int`*
- b) *A function `max3` that calculates the maximal value of 3 parameters of type `Int`. Implement 5 versions of this function : at least one using `if`, at least one using the guards and at least one using `where`. You can use the predefined function `max`.*
- c) *A function `sign` with a parameter of type `Int` and **returns** the string "this number is positive" if the number is positive, "this number is negative" if the number is negative and "this number is `null`" if the number is 0. Submit a version with `if`, a version with guard.*

Note: The `++` operator appends strings.