

Exercise 1 *Type Checking*

Provide a suitable type for each of the following Haskell expressions if possible. Explain your result. You also can invoke `ghci` for testing.

1. `head ""`
2. `5 > 3`
3. `(5 > 3) + 1`
4. `bigger3`

Note: `bigger3` is defined as `bigger3 x = x > 3`.