Exercises
First Steps

1. Parenthesise the following numeric expressions:

   (a) 2^3*4

   (b) 2 * 3 + 4 *5

   (c) 2 + 3 * 4^5

   Use GHCi to check your answers.

2. The script below contains three syntactic errors. Correct these errors and then check that your script works properly using GHCi.

```
N = a 'div' length xs
    where
        a = 10
        xs =  [1,2,3,4,5]
```

3. The library function *last* selects the last element of a non-empty list; for example:

   last [1,2,3,4,5] = 5

   Show that the function *last* could be defined in terms of the other library functions introduced so far.

4. The library function *init* removes the last element of a non-empty list; for example:

   init [1,2,3,4,5] = [1,2,3,4]

   Show that the function *init* could be defined in terms of the other library functions introduced so far.