

CSci 340, Spring 2003, Assignment 6

This assignment is due *Friday, May 2*, at 4:00pm. You should submit your solution both electronically (using “handins 340 6”) and to my office (using paper).

Your job in this assignment is to write a program that reads an integer n from the user, then reads n more integers, and then prints the sum of these n integers.

```
3      Number of users to read
23     First number
42     Second number
34     Third number
99     Sum of the numbers
```

This program prints 99 because $23 + 42 + 34 = 99$.

You can type “getcs 340 6” to fetch template code for this lab. This template code includes the `readInteger` function, which returns an `IO Integer` wrapping an integer read from the user.

```
readInteger :: IO Integer
readInteger = getLine >>= (return . read)
```

A correct solution must include a `main` function of the `IO ()` type.

Suggestion: Write two functions:

```
readNums :: Integer -> IO Integer
main :: IO ()
```

The `readNums` function takes a parameter n and returns an `IO` value wrapping the sum of n numbers read from the user. The `main` function performs the overall assignment.