

CSci 340, Spring 2003, Assignment 0

To work on this assignment, run the command “`getcs 340 0`”, and edit the code placed in your `CS340/Lab0` directory.

1. Complete the Ada program of `prime.adb` so that it reads a number from the user and displays “prime” or “not prime” depending on whether the number is prime.

```
Number? 35
not prime
```

2. Complete the `Remove.Integer` procedure in `int_set.adb`. You can test your program by compiling this file with `test_set.adb`.

```
unix% gnatmake *set.adb
gcc -c int_set.adb
gcc -c test_set.adb
gnatbind -x test_set.ali
gnatlink test_set.ali
unix% ./test_set
Command ([q]query/[i]nset/[r]emove/[e]xit): i
Value (query/insert/remove): 6
Command ([q]query/[i]nset/[r]emove/[e]xit): q
Value (query/insert/remove): 6
  6 is present.
Command ([q]query/[i]nset/[r]emove/[e]xit): r
Value (query/insert/remove): 6
Command ([q]query/[i]nset/[r]emove/[e]xit): q
Value (query/insert/remove): 6
  6 is absent.
Command ([q]query/[i]nset/[r]emove/[e]xit): x
```

You should of course test your code more thoroughly than this.

There is no paper handin for this assignment; instead, submit your code electronically using the “`handincs 340 0`” command.