

Part 1: Compiling and Running an Incomplete MonthPrinter Program

First, download, compile, and run a simple, but incomplete and incorrect, month printer program in Lisp. This program takes as input an integer from the console and prints out the corresponding month name to the console. However, the program is incomplete, and only a couple of months work.

You can compile, run, and test the incomplete calculator program using the same steps as for previous assignments. There is a zip archive containing the code (month_printer.lisp).

To compile and run the month printer program:

1. Download MonthPrinter.zip. It contains a Lisp source code file, month_printer.lisp, a bash shell script, assignment_6_grader.sh, and a file with test cases: test_cases.csv.
2. Use the bash shell and change directories to the folder created by unpacking the .zip file.
3. Then simply execute “clisp month_printer.lisp” and follow the instructions in the console to run the program.

Part 2: Completing the MonthPrinter Program

For this assignment, you will implement a program that takes an integer and prints out the corresponding month name to the console. For example

```
Enter an integer and press return.  
10  
October
```

Your program should print the name of the month, correctly spelled and capitalized.

Because the user enters an integer to the console, there is always a possibility that the user enters an integer that specifies a month that doesn’t exist. In this case, rather than print the month, your program should print the text “Invalid Month”. For example:

```
Enter an integer and press return.
```

-200

Invalid Month

A month is considered invalid if any of the following conditions is met:

1. The month specified is 0 or a negative integer
2. The month specified is 13 or greater.

Note that when the program prints “Invalid Month”, nothing else appears on the console before the program terminates. No month name should appear in this case.

Part 3, Running the Autograder Script

Run the autograder script by executing “./assignment_6_grader.sh” from the bash shell in the zip directory. Your Lisp file must be named “month_printer.lisp” with a lower-case “m” and all other letters lower-case.

The script will attempt to compile your month_printer.lisp and will test your code by executing it using the clisp interpreter on a number of inputs. When it completes, the autograder script will print your final score (out of 100) to the console. Ignore any compiler warnings.