

2020 CCSC Eastern Conference
Programming Competition Practice Session

October 21st, 2020

Hood College, Frederick, Maryland

Problem 1 — Hello

This is a practice problem!

Write a program that reads lines of input, and for each line, prints a single line with the output “Hello, X” where X is the text of the input line. As a special case, if the line contains the input “quit”, that signals the end of input, and the program should exit.

Example input:

```
Athina
Batia
Calliope
quit
```

Example output: (corresponding to the example input shown above):

```
Hello, Athina
Hello, Batia
Hello, Calliope
```

Hints and specifications: There should be a single space between “Hello,” and the text of the input line.

Problem 2 — Prime numbers

This is a practice problem!

A prime number is an integer greater than 1 that is divisible only by itself and 1. Write a program that will read integers and print “yes” or “no” depending on whether or not each integer is prime.

The input to the program will be a series of integers, one per line. As a special case, if an integer is negative, the program should exit immediately without producing additional output.

Example input:

```
1
2
4
5
17
21
23
-1
```

Example output: (corresponding to the example input shown above):

```
no
yes
no
yes
yes
no
yes
```