1 Exercises

Exercise 1. Consider the following program:

```
mystery.py
import stdio
import sys

stdio.write("Hi ")
stdio.write(sys.argv[4])
stdio.write(", ")
stdio.write(sys.argv[2])
stdio.write(", and ")
stdio.write(sys.argv[1])
stdio.writeln("!")
```

What does the program write to standard output when it is run as follows?

```
~/workspace/ipp/programs
$ python3 mystery.py Alice "Bob Carol" Dan Eve
```

Exercise 2. Write a program called `phone.py` that accepts an area code (str), exchange code (str), and subscriber number (str) as command-line arguments, and writes to standard output the corresponding phone number in `+1 (xxx) xxx-xxxx` format.

```
~/workspace/ipp/programs
$ python3 phone.py 728 560 3845
+1 (728) 560-3845
$ _
```

2 Solutions

Solution 1.

```
Hi Eve, Bob Carol, and Alice!
```

Solution 2.

```
phone.py
import stdio
import sys

stdio.write("+1 (")
stdio.write(sys.argv[1])
stdio.write(") ")
stdio.write(sys.argv[2])
stdio.write("-")
stdio.writeln(sys.argv[3])
```