**Activity 5: Building an IP Lookup Tool**

* You continue in your role as security analyst at Wonka Corp.
* Wonka has been experiencing more attacks on their network.
* Your manager wants to know what country these attacks are coming from so Wonka Corp can block the country from accessing their network.
* Specifically, they would like you to design a script that can look up the countries of several IP addresses pulled from the logs.

**Instructions**

Using only the command line, change into the /03-student/day3/IP\_Lookup\_Tool directory. From there, complete the following tasks:

1. You have been provided a new command to look up details for an IP address:
   * To look up information on the IP of 104.223.95.86, you would run:

curl -s http://ipinfo.io/104.223.95.86

* + - **Hint:** Read the man page of the curl command to learn more about what it can do.

Using pipes, grep, and awk, modify the curl command to display only the country.

* + **Hints:**
    - Use grep to display only the line that contains the country.
    - Use awk to parse out the country from that line.

1. Place the command into a new shell script called IP\_lookup.sh.
2. Modify the script so the IP address is an argument that can be passed into the script.
3. The following IP addresses were found in Wonka's log files. Run your new IP\_lookup.sh with these IP addresses as arguments to determine their countries:
   * IP 1: 133.18.55.255
   * IP 2: 41.34.55.255
   * IP 3: 187.54.23.8