DSI: Unix Shell, Git and GitHub Assignment 1: Unix and Data

Requirements:

- 1. Write a script that takes the parking_data.csv file as a positional parameter from the terminal as the input (this is so that the script can be run from any computer, so long as the csv file is available, assuming it is on the Desktop).
 - You can find the Toronto parking ticket data at Toronto's Open Data Portal: https://open.toronto.ca/dataset/parking-tickets/
- 2. Build a function or multiple functions into the script that:
 - a) Prints all types of parking infractions (infraction_description)
 - b) Prints the mean, min and max set_fine_amount these calculations can either be in the same function or multiple functions
 - c) Saves one type of parking infraction of your choosing to a separate csv file (this file should contain all observations of the chosen *infraction_description*, set_fine_amount, and location2 with the same headings as original csv)
- 3. Things to remember:
 - The script should be able to navigate to the directory housing the csv file
 - Functions should include loops (either if/else, while, until, for) to make the process iterative
 - o You must use outside sources (Google and StackOverflow) to build these calculations
 - o Remember to cite any code that was used

Lesson Outcomes:

- Practice using commands, positional parameters, functions and loops from submodules on a dataset
- Work on navigating directories within scripts
- Build skills in searching using Google and StackOverflow for commands not directly learned within the lesson and cite your sources

Rubric:

Component	1	2	3	4	5
Script is functioning and does as described in the assignment requirements					
Script uses at least one type of loop to fulfill requirements					
Script is free from bugs and has been appropriately commented					
All outside sources have been properly cited					
Total:			_	_	/20