

## BUS 640 Assignment #6

Due Date: 6/16/2024 (by 11:59 PM)

Write a Python program that reads the *lawEnforcement.csv* file found on the BUS 640 Canvas site and then conforms to the specifications below.

1. Prompt the user to enter a state abbreviation.
2. Your output should contain the information below for the state associated with the abbreviation entered in step 1.
  - Print the following for each law enforcement incident in the state:
    - Date the incident occurred
    - Age of the perpetrator involved in the incident
    - Type of weapon in the possession of the perpetrator
    - The gender of the perpetrator (F for female, M for male)
  - Print the average age of the perpetrators involved in the incidents associated with the state
  - Print the number of perpetrators in the state who were female
  - Print the number of perpetrators in the state who were male

**Format your output as shown in the examples below and on the following pages.**

*A video introduction for this assignment is also available on the BUS 640 Canvas site.*

### Example:

Enter state abbreviation: SC

date	age	weapon	gender
1/27/2016	27	knife	M
3/26/2016	55	gun	M
3/29/2016	51	gun	M
5/2/2016	52	gun	M
5/21/2016	63	gun	M
6/20/2016	23	gun	M
7/1/2016	63	gun	M
7/4/2016	34	gun	M
8/1/2016	43	vehicle	M
8/2/2016	22	gun	M
8/8/2016	69	gun	M
8/9/2016	44	undetermined	M
9/30/2016	32	gun	M
10/5/2016	35	gun	M
11/6/2016	43	gun	M
11/29/2016	31	undetermined	M
12/10/2016	35	gun	M

Average age of perpetrators in SC: 42  
Number of perpetrators armed with guns in SC: 13  
Number of female perpetrators in SC: 0  
Number of male perpetrators in SC: 17

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### Example

Enter state abbreviation: GA

date	age	weapon	gender
1/8/2016	50	gun	M
1/19/2016	28	gun	M
1/27/2016	26	gun	M
1/30/2016	64	gun	M
2/18/2016	25	undetermined	M
3/30/2016	52	gun	M
4/18/2016	18	gun	M
4/27/2016	34	machete	M
5/14/2016	34	gun	M
5/16/2016	23	gun	M
6/1/2016	21	gun	M
6/7/2016	63	gun	M
6/22/2016	22	unarmed	M
6/25/2016	36	unarmed	M
6/27/2016	32	gun	M
7/1/2016	30	gun	M
8/5/2016	26	gun	M
9/7/2016	55	knife	M
9/28/2016	28	knife	M
10/7/2016	57	undetermined	M
10/27/2016	24	undetermined	M
11/3/2016	56	gun	F
11/11/2016	37	undetermined	M
11/18/2016	25	gun	M
12/12/2016	31	gun	M
12/13/2016	32	gun	M

Average age of perpetrators in GA: 36

Number of perpetrators armed with guns in GA: 17

Number of female perpetrators in GA: 1

Number of male perpetrators in GA: 25

### Example

Enter state abbreviation: VA

date	age	weapon	gender
1/12/2016	58	gun	M
2/13/2016	19	unarmed	M
2/26/2016	18	toy weapon	M
3/11/2016	25	gun	M
3/19/2016	25	toy weapon	F
3/20/2016	61	knife	M
3/22/2016	33	vehicle	M
3/26/2016	36	gun	M
3/31/2016	34	gun	M
4/23/2016	30	gun	M
4/26/2016	26	gun	M
6/2/2016	43	knife	M
6/7/2016	49	gun	M
8/1/2016	67	gun	M
8/3/2016	69	gun	M
8/5/2016	58	knife	M
8/15/2016	29	metal pole	M

Average age of perpetrators in VA: 40

Number of perpetrators armed with guns in VA: 9

Number of female perpetrators in VA: 1

Number of male perpetrators in VA: 16

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### Example

Enter state abbreviation: NC

date	age	weapon	gender
1/3/2016	30	gun	M
1/5/2016	33	gun	M
1/19/2016	55	knife	M
2/5/2016	51	gun	M
2/11/2016	35	knife	M
2/29/2016	24	gun	M
3/12/2016	43	gun	M
3/16/2016	40	gun	M
3/27/2016	18	gun	M
4/19/2016	41	gun	M
4/25/2016	60	gun	F
5/29/2016	53	gun	M
5/29/2016	38	unarmed	M
6/2/2016	18	gun	M
6/10/2016	29	baseball bat	M
6/21/2016	24	undetermined	M
7/2/2016	35	gun	M
7/15/2016	63	gun	M
7/29/2016	59	gun	M
8/8/2016	64	gun	M
8/16/2016	32	gun	M
8/18/2016	29	unarmed	M
8/29/2016	24	gun	M
9/17/2016	55	gun	M
9/20/2016	43	gun	M
10/10/2016	50	gun	M
11/3/2016	23	gun	M
11/22/2016	34	undetermined	M
11/28/2016	41	vehicle	M
12/7/2016	31	knife	M
12/9/2016	37	gun	M
12/19/2016	52	undetermined	M
12/24/2016	18	gun	M

Average age of perpetrators in NC: 39

Number of perpetrators armed with guns in NC: 23

Number of female perpetrators in NC: 1

Number of male perpetrators in NC: 32