Name

Zizhun GUO

Result

Running Trained Program: (output result)

```
File Created date:      2020-01-26 21:55:37.722122
Current running date: 2020-01-26 21:55:51.934120
First/Last name: Zizhun Guo
rows:        4
columns:     7
My hobbies:
                  I do solo adventure usually accommodated in hostels.
                  I like discovering local neignborhood to experience cultural vibe.
                  Versailles Palace is beautiful. Naples's Pizza is the best.
                  DC people are sharp on their wear choice, which is good.
                  I am from Chengdu, a place is known for spicy foods and girls.
                  We walk pandas on the street, and you can adopt it if you are rich.
                  I survive by cooking. Mostly Authentic Szchuan Cuisine for three years.
                  I read books. Recenly travel essays and western view points on China
                  I watch movies. Recently topics about human relationships
                  One information above is not correct. Guess which one
```

What I learned

- Writing a mentor program that can produce a trained program in designed format.
  - Multi-line strings with """ """, printing multiple objects, the backslash "\" as the escape character, '\t', '\n', '\r', and '\\'.
  - String Interpolation / f-Strings (which is read-friendly to insert variables in a single string)
- APIs for data mining:
  - Pandas' read_csv() method that converting csv file data into dataframe datatype.
  - Using dataframe.shape() can get size for each axes, plus one if included the headers row
  - While preparing this homework, I quickly went over the numpy tutorial as its array data structure, and pandas tutorial as its Series and DataFrame data structure. I also tested some most used attributes and methods for warming up the later homework.
- Other things:
  - Review configuration: using VSCode as new IDE to edit and compile the python code
  - Still use Shell repl for real-time testing
  - Figured out the way for each homework, virtual environment can be created with useful APIs installed.