

University of Utah

School of Computing

CS 1060

Bonus Activity #7

Spring 2016

Due April 21, 2016 at the start of class

This is a bonus project, with a total of 3 possible points.

Please follow the same instruction for HW 04 for the initial setup.

Please contact TA Ross for questions regarding this bonus project.

drinkinggame.py can be downloaded from the course webpage.

In `drinkinggame.py` I have created a 4 player drinking game with the presidential candidates Trump, Cruz, Hilary, and Bernie.

In the `initialize()` function there is a dictionary of players called `heap["player"]` that contains the scores of the players. For each player there is also a dictionary called `heap["player_name"]` where `name` is the name of the player. This dictionary contains a list of words and associated point values that the player will receive if that word is found in a tweet.

In the `process()` function for each player we determine if the word being processed is in any of the `heap["player_name"]` dictionaries. If it does exist, we increment the score of that player with the point value associated with the word.

Assignment:

Create your own drinking game by modifying `drinkinggame.py`.

In `initialize()`:

1. Determine who the players are and list them in the `heap["player"]` dictionary with a base value of 0.
2. Create `heap["player_name"]` dictionaries for each player that list the words that they will receive points for. The value for the word keys represents the point value of the words.

In `process()`:

1. Check if the word is in each `heap["player_name"]` dictionary. If the word does exist, increment the `heap["player"]["name"]` dictionary with the value of the word. Take a look at the existing code for the politicians drinking game. For each player in the drinking game there should be 2 lines of code in `process()`.

Rubric:

In order to get credit for this assignment your drinking game must have at least 2 players and each of those players must receive points for atleast 1 word.

Grading: you will get 2 points with 2 players receiving points for at least 1 word; 3 points with more than 2 players each receiving points for at least 1 word.

You could potentially earn at most 3 points (of 100 points) towards your final grade.