

# Assignment 5

**General Instructions:** Save all the files to a directory named "<group-number>\_as5", e.g. 23\_as5. Compress this directory to a zip file and submit it via Blackboard (on the same place where you have downloaded the assignment. Comment the code well in a clear manner and choose clear names for your variables and parameters. The assignment must be presented Wednesday, 16/12. The deadline for turning in the assignment is 15/12 at 23:59:59.

**The program must read all required data from the provided files, the structure of the provided file CANNOT be changed, the information CANNOT be split into multiple files or be inserted directly into the code. THE ZIP SUBMISSION MUST CONTAIN ALL THE FILES USED BY THE PROGRAM. The provided text files are human readable and its organization should be clear.**

## 1 fragaslakten.py

Write a program where two players or groups can play a simplified version of Family Feud. The game is played in alternating rounds. Each round, one of the players is asked to try to guess to result of a survey performed between 100 random people on the streets. A certain number of answers are concealed on the board, ranked by the value they are worth in points. The number of answers for each question can range for 4 to 6. The player has as many tries as there are answers to try to guess the responses given during the survey (i.e 4 tries when there are 4 answers, 5 tries when there are 5 answers, etc).

If the player gets one answer right, it is revealed on the board, along with how many points it is worth. When the player has spent all of his tries, the sum of points of the correct answers he was able to guess are added to his total. The game then moves on to the next player, alternating back and forth until the end of the game, where the one with the most points win.

The program must ask the player how many rounds each player should play before the end (maximum of 8 rounds per player). The game should accept answers typed with any combination of upper and lower case letters.

Here are some examples of how the game could look like:

```
How many rounds should each player play? 2

Round - 1

#####
Player 1: 0 points
Player 2: 0 points
#####

Player 1 Plays
1. How Can You Tell That The Person In The Car Next To You Is Listening To Music?
1
2
3
4
==>lips moving
Lips Moving - 51 points
2
3
4
==>head bobbing
Lips Moving - 51 points
Head Bobbing - 29 points
3
4
==>dancing

Sorry, wrong answer

Lips Moving - 51 points
Head Bobbing - 29 points
3
4
==>fingers tapping
Lips Moving - 51 points
Head Bobbing - 29 points
3
Fingers Tapping - 6 points

Round - 2
```

Figure 1: Game start and first round

```
#####  
Player 1: 183 points  
Player 2: 89 points  
#####  
  
Player 2 Plays  
4. Animal that we eat but does not eat us  
1  
2  
3  
4  
==>cow  
1  
Cow - 33 points  
3  
4  
==>pig  
Pig - 36 points  
Cow - 33 points  
3  
4  
==>chicken  
Pig - 36 points  
Cow - 33 points  
Chicken - 20 points  
4  
==>dragon  
Pig - 36 points  
Cow - 33 points  
Chicken - 20 points  
Dragon - 7 points  
  
Player 2 Wins!  
185 to 183
```

Figure 2: Full round and end of the game