Fraction Hero Game/Learning Analytics Application
Installation

Software requirements:
   I.   XAMPP
       A. Download XAMPP here: https://www.apachefriends.org/download.html
       B. Install XAMPP by following the instructions in this link:
           https://www.wikihow.com/Install-XAMPP-for-Windows
   II.   Python
       A. Get the latest version of Python 2 from the official site:
           https://www.python.org/downloads/
       B. Install Connector/Python from here:
           https://dev.mysql.com/downloads/connector/python/

Setting up the game:
   I.   Download the *The_Fraction_Hero_v3* directory to any client (Windows).
   II.   Open *upload.py* inside the www directory using a text editor.
   III.   Configure the MySQL server to connect to for the Learning Analytics app (in line 4: username, password and host).
   IV.   Run the game using *Game.exe*.
   V.   Data is collected as the player progresses in the game. Run upload.py to send the data to the LA server (must first be set up; see below).

Configuration of Learning Analytics app:
   I.   Changing the XAMPP password:
       - Open "*config.inc.php*" using any text editor you prefer. The file is located in xampp\phpMyAdmin\config.inc.php
       -   You will see the field *$cfg['Servers'][$i]['password'] = '';*
       - Inside the single quotes '' insert your preferred password and save.
   II.   Setting up the database:
       - Open XAMPP and go to phpMyAdmin.
       - Click Import and browse to the package folder, then choose fractionhero.sql
   III.   LA authorized person/s:
       - Only authorized personnel can access the database and LA configuration files.
       - The following are his/her privileges and responsibilities:
           - Database (Privileges)
               - In phpMyAdmin, go to Privileges.
               - Click *add user account.*
               - Fill out the following fields (for each client):
                   - Username
                   - Hostname (the client's ipv4 address)
                   - Password
               - Scroll to the bottom of the page and click *Go*.

- Database "fractionhero" (in phpMyAdmin):
    - Manually insert the usernames and password for assigned teachers in the login table.
    - Manually insert the corresponding section/s per teacher in teachers table as well.
    - Manually insert students' profiles in the students table.
- LA Configuration:
    - Using your preferred text editor, open the *learning_analytics* folder
    - Inside the php directory, replace DB_PASSWORD from all the files in the said folder to your assigned XAMPP password, then save.

After following the above instructions, transfer the learning_anlaytics folder to xampp/htdocs.

Running the Learning Analytics application:
I. MySQL and Apache must be running in XAMPP.
II. Open a Chrome or Firefox browser and enter the following url:
    localhost/learning_analytics/index.php
III. Eligible teachers may sign in and view their students' motivation statistics in the dashboard.