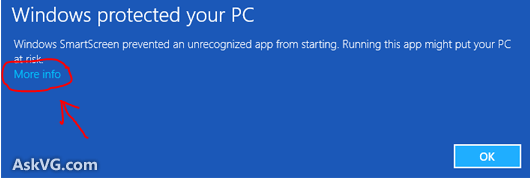
# How to start the application:

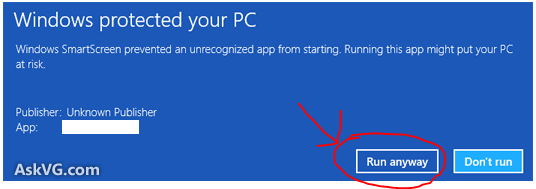
Copy the zip file on your Desktop. Unzip the file and run the file **“Friburg-Experiment\_Math.exe” for the math condition** and **“Friburg-Experiment\_French.exe” for the French condition**.

#### Windows 8 Smart Screen

It might be that the file is detected as “suspicious”.

If the screen looks like below click on **“More Info”** and “**Run Anyway**”.





# What is the structure of the log file

Log files are stored in the folder **logs**. For each experiment two files are created, one for the experiment and one for the final questionnaire.

## Experiment log file structure

The file has csv extension and can be imported in Excel .

* First row contains the user action. Actions are
  + **Reading\_Instructions:** the user is reading the instruction page
  + **Start\_experiment:** the user has started the experiment
  + **Select\_exercise:** the user has clicked on an exercise. Usually this action is preceded by the action *Exercise\_answer*
  + **Exercise\_answer:** this action is written to record the answers of the user for the current exercise.
  + **Select\_Avatar:** the user has selected a new avatar or modified the secondary icons (livre, friends, telephone, sport)
  + **Update\_Online\_Avatars:** a new avatar has appeared in the top banner (only in avatar experimental conditions)
  + **Finish:** the user has clicked on “Deconnexion”
* Second row contains the time since the user started reading the instruction.
* Third row contains the time since the user started the experiment.
* Forth row is always empty
* 5th row : the id of the current avatar selected by the user. The id are listed below.
* 6th,7th,8th,9th rows contains “true” when the user adds respectively the friend, livre, sport and telephone mini-icons or “false” when those are not enabled.
* 10th row: the current exercise the user is working on.
* 11th row: “true” if the current exercise has been completed, otherwise “false”;
* 12Th row: the answer to the current exercise. More details the format below.

### Avatar Ids

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 1.png  **id:**1 | 2.png  **id:2** | 3.png  **id:3** | 4.png **Id:4** | 5.png  **id:5** |
| 6.png  **id:6** | 7.png  **id:7** | 8.png  **id:8** | 9.png  **id:9** | 10.png **id:10** |

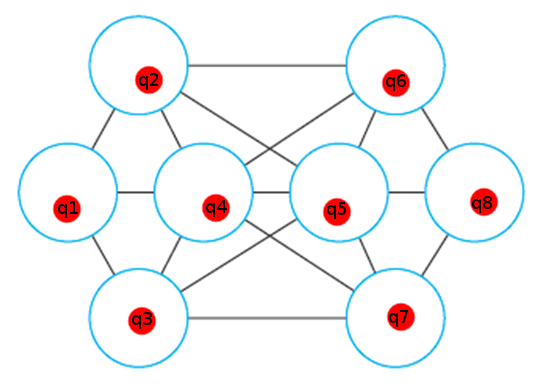
### Answers format

#### French Condition

* **Exercise blu (tres facile,** ***intruder*):** the ten answers are stored with this format **q1-q2-q3-q4-q5-q6- q7-q8-q9-q10** . Example: *S’immobiliser- embarrassé- aggraver* etc
* **Exercise green (facile, *verbs*):** the 15 answers are stored with this format **q1-q2-q3-q4-q5-q6- q7-q8-q9-q10- q11-q12-q13-q14-q15**
* **Exercise red (difficile, *texts to read*):** the four answers are stored with this format **q1-q2-q3-q4**
* **Exercise black( tres difficile, *Ecris la suite de l’histoire*):** just the text, no special format. Note: the special word “<br>” means an indent (new paragraph) at that point.

#### Math Condition

* **Exercise blu (tres facile,** ***fractions*):** the 6 answers are stored with this format **q1-q2-q3-q4-q5-q6** . Example: *2/3-3/7- 4/5* etc
* **Exercise green (facile, *clock*):** just the text, no special format . Note: the special word “<br>” means an indent (new paragraph) at that point.
* **Exercise red (difficile, *price calculation*):** just the text, no special format. Note: the special word “<br>” means an indent (new paragraph) at that point.
* **Exercise** black( **tres difficile**, *about the diviseurs*)**:** the 8 answers are stored with this format **q1-q2-q3-q4-q5-q6** **–q7-q8**

****

#### Questionnaire file structure

The file has csv extension and can be imported in Excel . It is just a 3 column table, with the questions and the answers (third column is for optional extra info such as “Niveau en français: Autre”).