Open Development

```
 4   #include "utilities.h"
 5
 6   Game game;
 7
 8   int main(int argc, char **argv) {
 9
10    game = Game();
11
12    game.initialize();
13   }
```

Code Contribution

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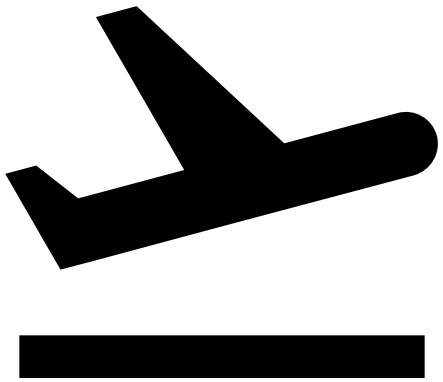
So far

- Collaboration tools
- Code quality and tools for project quality
- UI and documentation translation
- Related non-technical aspects
  - Licenses
  - Communities

First contribution



- Help with *issue* and project selection
- Will be done in pairs/trios

Final due date: **October 20th**

Individual stage (October)

Deepen skills developed in groups

1. Provide work experience on a real project **of the students' choice**
2. Value different types of contributions, not just code
3. Exercise **autonomy** and **independence**

Starting on 10/20

My first code contribution

Good projects use tags to facilitate welcoming newcomers

- good-first-issue
- newcomers
- low effort
- difficulty novice
- easy

Suggestion I - Pandas

Data processing library used in Data Science.

- Complex project, with many special use cases
- Tons of textual and graphical data visualization features
- Python is familiar to most

Test tickets are generally easy to get started with and useful for the community.

Suggestion II - Matplotlib

Plotting graphs in Python

The Good first issues list has several open issues or PRs that have been stalled for months and can be taken over by others.

Suggestion III - Pyscript

Python running in the browser via WebAssembly

Issue List has several that seem accessible.

Suggestion III: Choose your own project :)

- https://github.com/MunGell/awesome-for-beginners
- https://www.codetriage.com/
- https://up-for-grabs.net/
- http://github-help-wanted.com/

Today

1. Choose an issue and project
2. Set up an environment
    - download the code
    - compile
    - run your version
3. Reproduce the issue