

README

This file describes some details of the materials you will upload.

Quick Start

Follow these steps to avoid missing any information:

1. Read `README.pdf` and `Project 1.docx`
2. Read introduction files in each sub-project
3. Read code framework of each sub-project
4. Write your own code

Briefs

Here is the folder tree of this project.

```
Project_1_n_puzzle_tictactoe/  
|  
| -- Project 1.docx  
|  
| -- n_puzzle/  
|   | -- n_puzzle_state_main.py  
|   | -- puzzle_state.py  
|   | -- n-Puzzle Problem作业说明.md  
|   | -- n-Puzzle Problem作业说明.pdf  
|  
| -- tic_tac_toe/  
|   | -- main_tic_tac_toe.py  
|   | -- tic_tac_toe.py  
|   | -- Tic_Tac_Toe作业说明.html  
|   | -- Tic_Tac_Toe作业说明.pdf
```

`Project 1.docx` describes the general requirements of two sub-projects. For each sub-project, there is an independent folder containing introduction files and codes. **Please read all introduction materials carefully before your coding work!**

Upload

You should pack all of your files into a `.rar` or `.zip` file, titled as `yourID_yourName_project1`. E.g. `12345678_张三_Project1.zip`.

A valid upload file should include following materials and hold the same structure.

```
12345678_张三_Project1/
|
| -- n_puzzle/
|   | -- n_puzzle_state_main.py
|   | -- puzzle_state.py
|   | -- report.pdf
|
| -- tic_tac_toe/
|   | -- main_tic_tac_toe.py
|   | -- tic_tac_toe.py
|   | -- report.pdf
```

Report

The report file should be converted to a `.pdf` file. In the report, you should briefly describe your reasoning, test results, comments, as well as any innovative designs that boost the performance of the solution. You should write a report for every single sub-project.

Evaluation

Your solutions will be evaluated from multiple aspects, including algorithm performance, report quality, and innovation ability. We will run a script to test your codes automatically. Please ensure that your codes can run in the environment described in detailed project introductions.