

# PP Tutorial - Week 6

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# PA2

## Part I - Sokoban

- Task 1: Print the Map (25 pts)
- Task 2: Read the Map (25 pts)
- Task 3: Get Moving (25 pts)

## Part II - Data Analysis

- Task 4: Data Analysis (25 pts)

# Part I - Sokoban

- Q: What should I do in this part?

A: You should implement functions.

- Q: What should I submit to OJ?

A: You should submit a code file (e.g. *sokoban.py*) with full implementation of specified functions.

Brief introduction of the tasks.

# Part I - Sokoban

Pay attention:

- **No** standard or third-party libraries, such as `numpy` and `pandas`.
- **Don't** change the function names and parameters.
- Distinguish between `print` and `return`.
- Modify `data` **in place** in `movePlayer`.
- Strictly follow the format of the output (e.g. newlines).

# Part I - Sokoban

## Working directory issue

```
[Errno 2] No such file or directory: 'map_easy.txt'
```

- VS Code
  - Open *Part I* by "File - Open Folder".
  - "Python > Terminal: Execute In File Dir"
- PyCharm
  - I don't know, but should be similar to VS Code.

## Part II - Data Analysis

Make sure you are aware of the changes made so far in Part II.

You can refer to <https://piazza.com/class/ldv116tl38l469/post/42>.

# Part II - Data Analysis

Brief introduction of the task.

# Part II - Data Analysis

Pay attention:

- **No** `for` or `while` in this part. (**No** recursion either.)
- You don't need to deal with the format of the output. Just `print(data)`, where `data` is a `DataFrame`.