

Your task

1. Crawl all latex example source code from this website <http://www.texample.net/tikz/examples/>
2. Compile (the latex files you download) and process them into png files (You suppose to get dvi or pdf first and convert them into png or svg). (Do not directly download images from the website. We will check your code)
3. You'd better to prune the png file to proper size because we don't want large blank area in the png file.
4. You may already find that there are some tags in each latex file. You need to build a website to show your latex images and categorize or search them with the tags.

Bonus Question

- Can you explain how this website compile latex? <https://people.math.osu.edu/fowler.291/latex/>
- What is webassembly, how do you think about it?
- Suppose that you are doing a recommendation to customers on a system, you have recommendation lists for customers. But how can you know/infer the ground truth of your recommendation. What will you do to improve your recommendation?

Tips

- Try as much as you can. If you can't make out a problem, tell us the reason and your thoughts.
- You are required to submit a simple report and code repository(prefer github link) in 7 days.
- Any common programming language is ok.
- **Everything should be done by yourself.**

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