

**First Version of Program  
due Wednesday, March 26**

**1. First Version of Your Main Project Program:**

Start with indicating on your flow chart in which order you will implement each part of your flow chart. For example almost all of your projects start with some initialization, so write a “1” next to the initialization box of your flow chart. Many of you have a time-loop, most likely you will not want to implement the time-loop next (unless you set your loop to do only one single step) but instead look for the most inner loop you will need to program and work on these commands first.

After having a plan for the order of writing the pieces of your program, start with “1”, program it, and test it. Then work on “2” and test it, etc.

The first version of your main project program is due Wednesday, March 26. Only via trying to write the program, you will come across the little devils in the details.

Start working on the core pieces of your main project program. My major advice is that you write your program successively. Do not write the whole program at once, but instead step by step and test each step as you go.

As always, please feel free to ask questions. Office hours are posted on our course webpage. Only by trying to write the program, will you realize what your questions are. I hope that you will enjoy this type of puzzle solving. (I do very much, so I am always happy to think about questions/tasks you run into with your project.)

By Mon, March 24, put your python-program in your `~/share.dir/` and give read permission, so

```
cp programname.py ~/share.dir/  
chmod a+r ~/share.dir/programname.py
```

where `programname.py` is your python-program.

## Present and Upcoming Deadlines:

- Fr, March 21, 3-4pm: Main Project Talks

(Geoffrey, Ethan, Patrick, Matthew, Kate, Dylan)

In our next class you will give your presentations on your main project. Please use my feedback on your first version of your main project slides. Content are background and model of your main project. Aim for an 8 min talk. You find information on scientific talks and your main project talk on our webpage (in section In-Class Work Feb.24).

To “hand in”:

- you will give presentations in class
  - you will hand in your previous slides with my comments.
  - put your slides into your `~/share.dir/` and give read permission.
- March 24: 1st Version of Program for Main Project  
and Main Project Talks of Jorge, Noah, Jackson, Ray (same “hand in” as for 03/21 main project talks)
- Mo, March 31, 2nd Version of Main Project Program
- Wed, April 2, 1st Version of Results