

Hello,

I am going to provide some sample config and meta data files later today. I noticed that a lot of students are confused on error handling and I hope this will help.

Cases that must be reported as an error are as follows:

1. invalid config or meta data filename or invalid extension( i.e an other extension other than .conf and .mdf is not accepted).
2. No data is available in config or meta data file ( i.e empty file)
3. If in meta file a lower case P or O or M or I or missing these character is an error
4. Missing operation or typo is an error. For example, P( ) 9; or M(allo) 8;
5. Missing cycles value or negative values is an error. For example, P(run) ; or P(run) - 5;

Cases that must not be reported as an error are as follows:

1. Change on order in the config file. Say in the file in provided the "Log:" can be placed above all the cycle time.
2. There can be any number of spaces both in config file or meta file. For example, Log:        Log to Both and P (run) 9; both are valid.

You have to print all the valid results until an error is detected and you have to print an appropriate message on what the error is. For example, invalid config file, config file empty, etc. You can assume that I will have the brackets and the string will be in lower case. Most of you are assuming that the size(content) in the meta file is about 8 lines and setting the buffer size small. Please note that the test files can be very large(300+ lines) and your program should still accept all the content. If your using vectors then you don't have to worry about this issue. Also, I noticed that few students are only printing result till the end of A(end)0; . This is not the end of the program. There can be a A(start)0; P(run)7; ..... A(end)0. Your program should still print these results. Only S(end)0; guarantee's the end of the program. If you have already submitted please check with a long meta file and resubmit if necessary.

In addition, please make sure that you address all the points mentioned. Failure to do so will result in a minimum of 10 point reduction.

1. Please remember to submit a makefile.
2. Check if your code compiles in the ecc before submission.
3. Do not submit any other files like assignment specifications or config files or meta data files.
4. Add meaningful comments only at the beginning of the functions and this is not specific for only sim0X.cpp. You should include comments in all the files.
5. Do not ask the user to enter the meta data file. You should read this information from the config file.
6. Please refer to the detailed announcement for error handling.
7. The extracted file should have the same name as mentioned in the assignment description.

8. Make sure that your code runs without any error with all the files provided.
9. Include readme for projects. This should have the file name and the line number of any major implementation in your program.