Documentation

InLab/OutLab-11

Submission Guidelines for assignment

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1. In the file readme.txt in the team-name directory, which contains the contribution of each team member, roll number and references (cite where you get code/code snippets from).

2. Rename the directory team-name to actual team name instead of
E.g. Coders

3. Compress the directory to <team_name>.tar.gz
e.g. coders.tar.gz

4. Submit one assignment per team.

InLab Problem 1

For this question, you will use 'Doxygen', which is used for generating documentation of a program. In order to generate the output, you have to follow some rules while writing comments in your program.

You will find 2 'CPP' files. You must go through the code and understand what it is trying to do. As you are going along, keep adding comments. These comments will finally create the output in the form of documentation of the code. Add comments for all the relevant modules, functions and variables. Use your judgment. The end result will be documentation for a third person, so he/she should be able to understand the program just by reading your documentation output. You can learn about Doxygen from the following link:
http://www.stack.nl/~dimitri/doxygen/manual/index.html

GENERATE THE HTML DOCUMENTATION FOR BOTH THE CODES and PLACE THEM IN THE SAME FOLDER

Name the documentation as "array.html" & "stud_rec.html" for respective programs while submitting.

Inlab Problem 2

In the previous question, you created an HTML documentation for 2 'CPP' files.
In this question, you will have to produce documentation of a java program and a python program. You must go through both the programs and understand what's happening. Comment all the relevant portions (similar to the previous question) and produce the documentation. If there are any errors, try removing them on your own.

For both the programs, documentation should be in 'pdf' format. (NOT IN HTML)

(Do not delete the file named 'data', which has been provided. It is an input file for the python program 'python_problem.py', you might need it if you want to understand what's happening in code by executing it.)

Outlab Problem 1

How much of your project has been done? We hope you have prepared a portion of it because this question requires you to have done some work. **Yes!**

Go to your project code. Take out a portion of your code. At least two different code-base files (You can do more if you like). Provide comments and use any of the documentation generating methodologies (Doxygen / Sphinx) to generate documentation in HTML or PDF format. Submit it to get evaluated for this Outlab problem. If you can not use any of the documentation generating methodologies, try and find a tool that can help you generate documentation. In case you are not able to do that too, post a doubt on Moodle. Otherwise, this seems pretty straightforward.

Remember we need at least two documentations generated for this question. Please make sure you have documented them properly and the documentation generation is good enough.

--- OR ---

Take your favourite Python (100-200 lines) snippet from the internet and submit a documentation of the same using Sphinx.

We will evaluate the output of this problem subjectively and your OutLab will be evaluated based only on this question.