

## IF184401 Design & Analysis of Algorithms (F)

### Quiz 2

Starting date: 23 March 2019  
 Deadline: 30 March 2019, 23:59 WIB.  
 Exam type: Open, Teamwork.  
 Send to: MM Irfan Subakti <yifana@gmail.com>  
 CC to Muhammad Ryanda Nugraha M <muhammadryandanm@gmail.com>  
 with the subject:  
 IF184401\_DAA(F)\_Q2\_NRP1\_Name1\_NRP2\_Name2\_NRP3\_Name3  
 File type and format: A full report of the design & analysis of algorithms; source code, output and analysis; in PDF format. Please email your group *GitHub link* to our email above.  
 Filename format: IF184401\_DAA(F)\_Q2\_NRP1\_Name1\_NRP2\_Name2\_NRP3\_Name3.ZIP

#### Instruction

Please do these steps as in the following.

1. Make a group (max 3 students/group) by filling this [link](https://intip.in/DAAGroup2019) (i.e., <https://intip.in/DAAGroup2019>)
2. You are free to make any computer program for your group project (e.g., game, start-up, etc.). However, you have to implement any algorithms (e.g., DFS, BFS, DAG, Dijkstra, etc.) that have been taught in our lecture. For instance, a game which determines the closest distance, minesweeper game or web application that examines the minimum distance for sending the goods from one point to another point.
3. You are free to use any programming language (e.g., C/C++, Java, Python, etc.).
4. In order for us to appreciate your contributions, the project must be uploaded on *GitHub* (your grades will be based on these contributions).
5. To avoid plagiarism/cheating, every group needs to pledge and declare, then they must submit their **signed pledge and declaration** as in the following. Failed to do so will be resulted in getting 0 (zero) grade. Attach the **scanned/photo** of your *declaration* in your report.

“By the name of Allah (God) Almighty, herewith we pledge and truly declare that we have solved quiz 2 by ourselves, didn’t do any cheating by any means, didn’t do any plagiarism, and didn’t accept anybody’s help by any means. We are going to accept all of the consequences by any means if it has proven that we have been done any cheating and/or plagiarism.”

[Place, e.g., Surabaya], [date, e.g., 30 March 2019]

<Signed>

<Signed>

<Signed>

[Full name, e.g., Mukidi Mukiyono]  
 [NRP, e.g., 05111340000xxx]

[Full name, e.g., Kidi Mukiyono]  
 [NRP, e.g., 05111340000xxx]

[Full name, e.g., Mudi Mukiyono]  
 [NRP, e.g., 05111340000xxx]

6. Please create a full report, in PDF format, of the design & analysis of algorithms you are using, the source codes (.java or any other programming language's source codes), the outputs of your programs and its analysis. Then put this PDF format report along with your declaration (see step #5 above) and all of .java files (or any other programming language's source code) into 1 (one) .ZIP file. Please name this file: IF184401\_DAA(F)\_Q2\_NRP1\_Name1\_NRP2\_Name2\_NRP3\_Name3.ZIP. Along with sending this file to our email, please also put it in your *GitHub*. Once again, don't forget to email your group *GitHub link* to our email above.
  
7. Have a wonderful day! Good luck! 😊