IF184401 Design & Analysis of Algorithms (IUP)

Quiz 2

Starting date: 28 April 2022
Deadline: ~~05~~ **Extended** to 12 May 2022, 23:59 WIB. **Penalty: 0.15% of grade/minute of tardiness.**
Exam type: Open, Teamwork (max 3 students/team, it can be from class IUP only, class C only, or the combination of class IUP & C)
Send to:
MM Irfan Subakti <yifana@gmail.com>
CC to Dicksen Alfersius Novian <dicksenan@gmail.com> & Adrian Santoso <mkadriansantoso@gmail.com> with the subject: **IF184401_DAA(IUP)_Q2_StudentID1_Name1_StudentID2_Name2**
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 emails above.
Filename format: IF184401_DAA(IUP)_Q2_StudentID1_Name1_StudentID2_Name2.ZIP

Instruction
Please do these steps as in the following.

1. Make a team/group (max 3 students/team). The team's members can be from class C only, class IUP, or the combination of class C & IUP.

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, Prim-Jarnik, Kruskal, etc.) that have been taught in our lecture. For instance, a game that determines the closest distance, a minesweeper game or a 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. 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 student needs to pledge and declare, then she/he must submit her/his **signed pledge and declaration** as in the following. Failing to do so will be resulted in getting a 0 (zero) grade. Attach the **scanned**/**photo** of your *declaration* to your report.

"By the name of Allah (God) Almighty, herewith I pledge and truly declare that I have solved quiz 2 by myself, did not do any cheating by any means, did not do any plagiarism, and did not accept anybody's help by any means. I am going to accept all of the consequences by any means if it has proven that I have done any cheating and/or plagiarism."

[Place, e.g., Surabaya], [date, e.g., 05 May 2022]

<Signed>   <Signed>   <Signed>

[Full name, e.g.,   [Full name, e.g., Arya   [Full name, e.g., Rara
Wilujeng Dewi]   Kusuma Bawono]   Pandanwangi]
[StudentID, e.g.,   [StudentID, e.g.,   [StudentID, e.g.,
05112040000xxx]   05112040000xxx]   05112040000xxx]

Also, to maintain fairness for your awarded grades, state clearly in your declaration, the percentage of work and the contribution(s) for each member in your group, e.g., Wilujeng 33.33% [state Wilujeng's contribution(s) here], Arya 33.33% [state Arya's contribution(s) here], and Rara 33.33% [state Rara's contribution(s) here].

6. Have a lovely day, guys! Good luck! 😊