

IF184401 Design & Analysis of Algorithms (E, G, H)

Quiz 2

Starting date: 11/12 May 2023
Deadline: 18 May 2023, 23:59 WIB. **Penalty: 0.15% of grade/minute of tardiness.**
Exam type: Open, Teamwork/Group (max 3 students/team, it can be from class E only, class G only, class H only or the combination of class E, G & H)

Send to:

MM Irfan Subakti <yifana@gmail.com>
CC to Michael Ariel Manihuruk <michaelariel8@gmail.com>, Muhammad Afdal Abdallah <afdalabdallahm@gmail.com> & Nurul Izzatil Ulum <izzalum07@gmail.com> with the subject: **IF184401_DAA_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_Q2_StudentID1_Name1_StudentID2_Name2.ZIP**

Instruction

Please do these steps as in the following.

1. Make a team/group (max 3 students/team).
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 lectures. 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. Our grading will be based on:
 - Design [**20 points**]
 - Implementation [**50 points**]
 - Analysis/evaluation [**25 points**]
 - Conclusion [**5 points**]

Total: [**100 points**]

6. 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., 18 May 2023]

<Signed>

[Full name, e.g.,
Delima Larasati]
[StudentID, e.g.,
05112140000xxx]

<Signed>

[Full name, e.g., Budi
Jumadi]
[StudentID, e.g.,
05112140000xxx]

<Signed>

[Full name, e.g.,
Lestari Utami]
[StudentID, e.g.,
05112140000xxx]

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., Delima 33.33% [state Delima’s contribution(s) here], Budi 33.33% [state Budi’s contribution(s) here], and Lestari 33.33% [state Lestari’s contribution(s) here].

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