QUIZ PRAKTIKUM SEMESTER GENAP TA. 2023/2024

Course	:	Object Oriented Programming Practicum
Date	:	Friday, May 31st 2024
Laboratory Assistant	:	Maulana Daffa Ardiansyah
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Class	:	IF-H
Time	:	13.00 – 15.00 WIB

Quiz Requirements:
1. Time allowed 2 hours (13.00 – 15.00).
2. Submission is done by sending a Github repo link.
3. **Write NIM_Name in main.java.**
4. Provide error handling and documentation (provide a brief explanation by adding comments) in the Source Code.
5. Zero tolerance for lateness and cheating.

Program Requirements:
1. Must implement all program requirements.
2. The UI display is made as good and creative as possible.
3. Additional features program is allowed for bonus points.
4. No application errors.

Study Case:

PT. OOP is a company that operates in the field of software development. Currently, PT. OOP is opening an internship program for Informatics students at UPN "Veteran" Yogyakarta. PT. OOP wants to create a Recruitment System. This system will be used to select internship candidates for Android Developers and Web Developers. Internship candidates must carry out several tests, namely:

1. Writing Exam.
2. Coding Test.
3. Interview Test.

Users will enter the name of the internship candidate, then enter the test scores. **The final score is taken from the average value of each test multiplied by the weight value.** After all columns are filled in, the program will display the final score calculation results and selection information for the internship candidate. Candidates are declared **ACCEPTED** if

the final score meets the specified minimum limit. Internship candidate selection results are displayed using a GUI.

Implementation are done by implementing features such as Create, Read, Update, and Delete. In making the program, you must use the OOP Concept (Interface, Inheritance, Encapsulation) and the concept of MVC as well as possible, and the data connection into the database using JDBC driver.

To create the database, use the SQL file attached with the name of the database are "recruit_db" and do not change anything (database name, table, structure, etc.)

Program Details:

The score range are between 0-100. The following are the weighted scores for each internship test for Android Developers and Web Developers.

	Android Developer	**Web Developer**
Writing Exam	0.2	0.4
Coding Test	0.5	0.35
Interview Test	0.3	0.25

Remember, **the final score is taken from the average value of each test multiplied by the weight value.** The minimum final score limit for Android Developers and Web Developers is 85. If it is less than 85, then the internship candidate will be declared **NOT ACCEPTED**.

Additional Points:

1. Provide error handling (throw-catch) to the program.

Here's an example of the output program