

Pisay Grade Calculator by Sacaben

I. There is a setback that I have experienced and still am. A problem I know many others (my classmates) experience because I hear their anxious complaints between each class. A problem that brings feelings of “kulba” that last from mere moments to whole quarters. A problem that hinders my analysis of scores in certain subjects, hinders my ability to improve*.

II. **The problem?** Not being able to see my tentative grade/s, where to improve, and my next chance to “lift” my grade.

III. Key Objectives:

- To be able to see my tentative grade

E.g.: “current grade: 85. Needs improvement”

- To be able to check in which given subject/s in a certain quarter, I need to improve in;
- To accurately foresee my next chance of improving.

E.g.: Algebra_2

Current grade: {}. Get more than {example percentage} in the next quiz to get a grade \geq to 60%.

(Bonus: halfway calms anxiety regarding grades)

IV. My solution:

To write a program the main function of which is a grade, percentage, and average calculator. Asking for and accepting the specifics/labels of the certain assessment/s and the requirements to calculate—like score, total score, and assessment weight; it will output the results and conclusion/s with the necessary details and information to guide the student to improve in the school year.

V. Scope/parts I want to make:

-main functions (literally “def func”):

- (tentative) grade calculator
- average (for assessment, quarters, and even school years) calculator
- percentage calculator

a. Planned inputs and outputs / pseudocode

#input existing for all choices

output 1

“Menu:

- a. Assessment
- b. Subject
- c. Quarter
- d. S.Y.
- e. Whole high school

choice: “, x

following out put for option 1a

“Menu

- a. Grade/rating
- b. Average for assessment
- c. Percent rating

choice: “, x

following output for option 1b

“Menu:

- a. Grade/rating
- b. Average for whole year
- c. Percent rating

choice: “, x

following output for 1c

“Menu:

- a. GWA
- b.percent rating

choice: “, x

following output for 1d

“Menu:

- a. GWA/rating for the year
- b. Percent rating

following output for 1e

“Menu:

- a. GWA/Rating
- b. Percent rating

b. Plan for the project

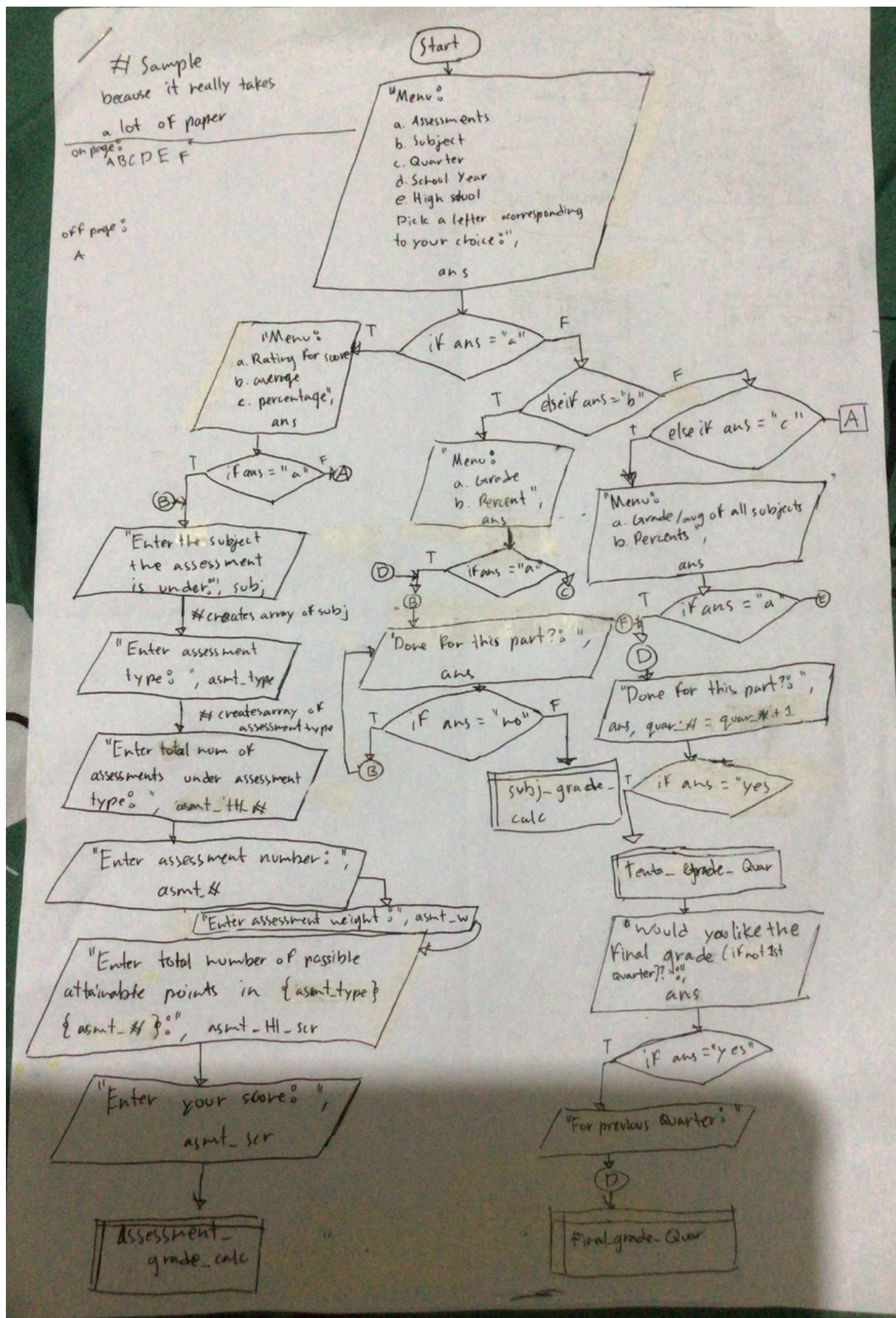
Grade 8:

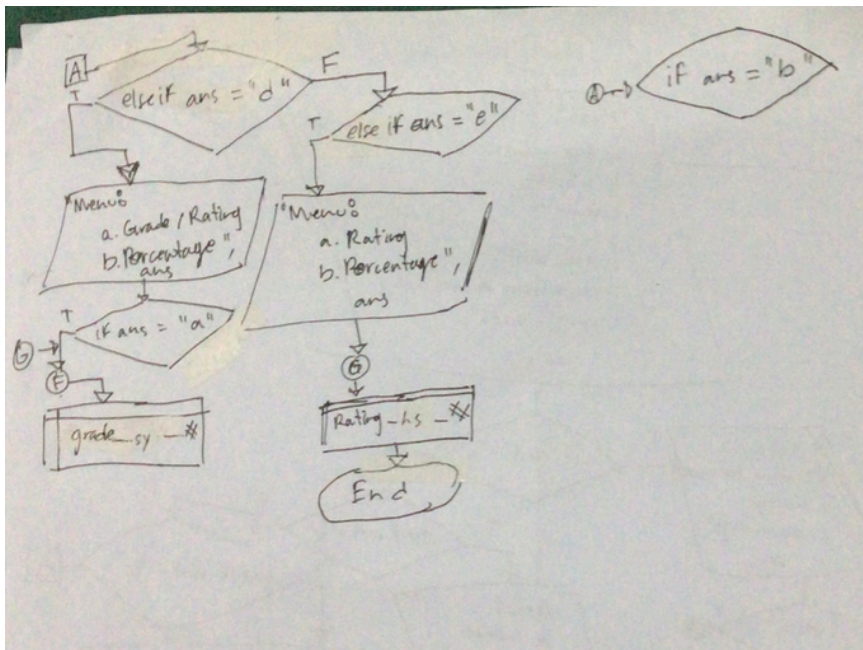
- Ask from ma'am Datch, or anyone with the right knowledge, the equation for assessments and the how to convert to Pisay standards
- make a clean logic plan for approval
- spend most—if not, all—free time on coding (and fixing up the logic plan if needed)

Grade 9:

- create an app or website as a project, based solely on the general idea
- make it table form with the scores and grades being modifiable inputs
- make the results adjust according to the inputted grades and vice-versa
- **but** place an option to show the “permanent” inputted scores (for those values, it will ask for input for the score then an option to make it the “permanent” value)

Example flowchart for logic plan (unfinished & not finalize):
 This only shows how the program will flow, focusing on the output.





The actual calculations will, of course, be functions. Hence, the “pre-defined” symbols. All the anticipated necessary functions will be:

- grade/rating/GWA (applicable and possibly different for all)
- Average (applicable for all in different ways)
- Percentage rating (applicable for all; Ex.: score is 60%)