

I. Average Grade Calculator

Add one more course (row)

Proceed IV

Input percentage of grade and name of course for each course

Numeric checking

Display an error message if the input is not a number

Percentage checking

Display an error message if the input is not a percentage

Calculate the letter grade and the color of each course

Proceed II

Proceed III

Display the letter grade and the color of each course

Calculate the average grade and the color of all courses

Loop all courses in the list of courses

Sum all grades of all courses

Get the average of all courses

Proceed III

Display the average grade and the color of all courses

Calculate the letter grade and the color of the average grade

Proceed II

Proceed III

Display the letter grade and the color of the average grade

II. Calculate the Letter of the Grade

Input the grade

If the average grade is from 80 to 100, return "A"

If the average grade is from 70 to 79, return "B"

If the average grade is from 60 to 69, return "C"

If the average grade is from 50 to 59, return "D"

If the average grade is from 0 to 49, return "F"

If the average grade is out of range, return null

III. Calculate the Color of the Grade

Input the grade

If the grade is from 80 to 100, return Green

If the grade is from 70 to 79, return Yellow

If the grade is from 60 to 69, return Orange

If the grade is from 50 to 59, return Red Orange

If the grade is from 0 to 49, return Red

If the grade is out of range, return Black

IV. Add a course or a row

Add a label of order

Add a textbox of course name

- Add a textbox of course grade
- Add a label of course letter grade
- Add a delete button

V. Delete a row

Input the index of the row

If the index is existed

- Remove all elements of the indexed row

Proceed VI

VI. Delete a course

Input index of the course

If the index is existed

- Remove the indexed course in the list of courses