

JavaScript Hands-on Test

The grades in my classes are calculated using a weighted average. The components of the grades are weighted as follows:

| | |
|-------------------------|-----|
| Assignments/Class work: | 30% |
| Tests | 30% |
| Final Project | 40% |

The web page contains a form that uses input boxes to allow the user to input grades for each of the three categories above. Calculate and display the weighted average and the corresponding letter grade based on the following scale:

| | |
|----------|---|
| 90 – 100 | A |
| 80 – <90 | B |
| 70 – <80 | C |
| 60 – <70 | D |
| Under 60 | F |

Notes:

- Display the results in the provided text boxes.
- Your code should only allow the numbers 0 – 100 to be used in the calculations.
- The “Final Project” box, “Assignments” box and the “Tests” box only need to accept one number. (I will enter the average of all the assignments/tests).

Example:

Jake’s scores are 87 on assignments, 85 on tests and 94 on the final project.

Final grade = $(87 * .30) + (85 * .30) + (94 * .4)$

Final grade = 89.2 (rounded)

Letter grade = B