

Title: Letter Grade

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Course & Section: CSC 109-101W

Description: Determine a letter grade based on a numerical grade.

Initial Algorithm:

1. Get the numerical grade
2. Determine the letter grade based on the numerical grade
3. Display the letter grade

Data Requirements:

Input:

- Numerical grade

Output:

- Letter grade

Additional Data: None

Formulas: None

Refined Algorithm:

1. Input numerical grade
2. IF numerical grade ≥ 90 AND numerical grade ≤ 100 THEN
 - Letter grade = 'A'
3. ELSE IF numerical grade ≥ 80 AND numerical grade ≤ 89 THEN
 - Letter grade = 'B'
4. ELSE IF numerical grade ≥ 70 AND numerical grade ≤ 79 THEN
 - Letter grade = 'C'
5. ELSE IF numerical grade ≥ 60 AND numerical grade ≤ 69 THEN
 - Letter grade = 'D'
6. ELSE
 - Letter grade = 'F'
7. END IF
8. Display letter grade