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CIS 5

Professor Conrad

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Pseudocode for Calculating the final grade percentage for Professor Conrads class.

1. Declare named constants: ASSIGNMENT_WEIGHT as a floating point data type with the value of 0.40. (40%)

2. Declare named constants: DISCUSSION_WEIGHT as a floating point data type with the value of 0.10. (10%)

3. Declare named constants: QUIZ_WEIGHT as a floating point data type with the value of 0.20. (20%)

4. Declare named constants: FINAL_WEIGHT as a floating point data type with the value of 0.30. (30%)

5. Declare a floating point variable named *assignment_percentage* to store the user entered assignment percentage.

6. Declare a floating point variable named *discussion_percentage* to store the user entered discussion percentage.

7. Declare a floating point variable named *quiz_percentage* to store the user entered quiz percentage.

8. Declare a floating point variable named *final_percentage* to store the user entered final percentage.

9. Declare a floating point variable named *grade* to store the calculated users grade.

10. Display instructions to the screen telling the user how to enter the percentages when prompted.

11. Ask the user to enter their assignment percentage.

12. Read in the user entered assignment percentage and store in the assignment_percentage variable.

13. Ask the user to enter their discussion percentage.

14. Read in the user entered discussion percentage and store in the discussion_percentage variable.

15. Ask the user to enter their quiz percentage.

16. Read in the user entered quiz percentage and store in the quiz_percentage variable.

17. Ask the user to enter their final exam percentage.

18. Read in the user entered final exam percentage and store in the final_percentage variable.

19. grade = assingment_percentage * ASSIGNMENT_WEIGHT

20. grade = grade + discussion_percentage * DISCUSSION_WEIGHT

21. grade = grade + quiz_percentage * QUIZ_WEIGHT

22. grade = grade + final_percentage * FINAL_WEIGHT

23. Output the users grade to the terminal in percentage form.