

Average of Values

OBJECTIVE: Write a program that stores the integers: 28, 32, 37, 24, and 33 in five separate variables. The program should calculate the average of the numbers and display it on the screen.

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The average of 28, 32, 37, 24, and 33 is: 30.8
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GRADING: (30 points total)

<u>Points</u>	<u>Objective</u>
3	Empty shell – Program compiles and runs without any errors.
7	Program simply displays a single value, which is the average of the 5 numbers.
10	Program displays the message, “The average of 28, 32, 37, 24, and 33 is: 30.8”.
13	Program displays the message, “The average of 28, 32, 37, 24, and 33 is: 30.8”. All five numbers are stored in separate variables correctly.
17	Program displays the message, “The average of 28, 32, 37, 24, and 33 is: 30.8”. All five numbers are stored in separate variables correctly. The average is stored in a variable named, average, with the correct data type.
20	Program displays the message, “The average of 28, 32, 37, 24, and 33 is: 30.8”. All five numbers are stored in separate variables. The average is calculated by the computer using the five variables and stored in a variable named, average, with the correct data type.
25	Program displays the message, “The average of 28, 32, 37, 24, and 33 is: 30.8”. All five numbers are stored in separate variables. The average is calculated by the computer using the five variables and stored in a variable named, average, with the correct data type. At least one variable is used the output message.
26	All five numbers are stored in separate variables. The average is calculated by the computer using the five variables and stored in a variable named, average, with the correct data type. All 5 variables and average are used to output the message, “The average of <variable1> , <variable 2>, etc. is <average>.”, however there is at least one error in the output message.
30	All five numbers are stored in separate variables. The average is calculated by the computer using the five variables and stored in a variable named, average. All 5 variables and average are used to output the message, “The average of <variable1> , <variable 2>, etc. is <average>.” correctly