

Grades Exercise

Directions

Your friend wants you to write a program that will calculate his six week's average in one of his classes. The teacher's grading policy and your friend's grades are shown in the table below.

Category	Percentage	Current Grade
Homework	30%	88
Quizzes	20%	74
Tests	50%	95

*The six week's average should be rounded to the nearest integer.

Use the following instructions in your implementation:

1. Create 4 variables of type double named dailyAvg, quizAvg, testAvg, and sixWeeksAvg. Initialize dailyAvg to 88, quizAvg to 74, testAvg to 95, and sixWeeksAvg to zero.
2. Create another variable of type int named roundedAvg and initialize it to zero.
3. Calculate the six weeks average using the following formula:

sixWeeksAvg equals dailyAvg times 0.3 plus quizAvg times 0.2 plus testAvg times 0.5

4. To round the six week's average to the nearest integer do the following:
 - add 0.5 to sixWeeksAvg
 - **cast** the sixWeeksAvg to an int and store the result in roundedAvg
5. The program's output should be in the same format as the Sample Run below.

```
Daily Average = 88.0
Quiz Average = 74.0
Test Average = 95.0
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Six Weeks Average = 89
```