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**CSE 1310-005**

**Answers for Part 1**

**1.a)** MaxTestScore = (100 \* .1) + (100 \* .15) + (200 \* .25)

MaxQuizScore = (20 \* .01)

// Calculate Max Homework Score

if(hw\_count == 6)

MaxHwScore = (200 \* .12);

else if(HW\_count == 5)

MaxHwScore = (200 \* .115);

else if(HW\_count == 4)

MaxHwScore = (200 \* .1);

else

MaxHwScore = (200 \* .075);

// Calculate Max Score

MaxScore = MaxTestScore + MaxHwScore + MaxQuizScore;

// Calculate Student Test Score

studentTestScore = (t1 \* .1) + (t2 \* .15) + (tFinal \* .25);

// Calculate Student HW Score

if(hw\_count == 6) // \*\*Homework assignments were sorted from largest to smallest\*\*

studentHwScore = (hw1 + hw2 + hw3 + hw4) \* .12;

else if (HW\_count == 5)

studentHwScore = (hw1 + hw2 + hw3 + hw4) \* .115;

else if (HW\_count == 4)

studentHwScore = (hw1 + hw2 + hw3 + hw4) \* .1;

else

studentHwScore = (hw1 + hw2 + hw3 + hw4) \* .075;

// Calculate Student Quiz Score

studentQuizScore = (q1 + q2) \* .01;

// Calculate Student Score

studentScore = studentTestScore + studentHwScore + studentQuizScore;

// Calculate Student Final Score

studentFinalScore = studentScore / (MaxScore \* .01);

**1.b)** Pleasesee code

**1.c)** Please see code

**1.d)** Please see code

**1.e)** If the input is not formatted correctly, the program will likely have an input mismatch error and that will result in the program crashing.

**1.f)** Please see code