For the following programs:

- 1) Create an algorithm
- 2) Code the program
- 3) Upload to your homework/homework8 folder.

Winning Division (10 points)

winningalg.txt, winning.cpp

This program should calculate which division(SE,NE,SW,NW) had the greatest sales for the quarter. It should use the following functions:

- float GetSales(string) is passed the name of a division. Example: GetSales("SW")

 It asks the user for a division's quarterly sales figure, validates the input, and then returns it. It should be called once for each division.
- void FindHighest(float,float,float,float) is passed the four sales totals. It determines which is the largest and prints the name of the high grossing division, along with its sales figure.

Input validation:

Do not accept dollar amounts less than \$100.

Lowest Score Drop (15 points)

lowestscorealg.txt, lowestscore.cpp

Write a program that calculates the average of a group of test scores, where the lowest score is dropped. It should use the following functions:

- void GetScore(float&) should ask the user for a test score, store it in a reference parameter variable, and validate it. This function should be called by main for each of the five test scores.
- void CalcAverage(float, float, float, float, float) should calculate and display the average of the four highest scores. This function should be called once by main, and should be passed the five test scores.
- float FindLowest(float,float,float,float,float) should find and return the lowest of the five scores passed to it. It should be called by CalcAverage, which uses the function to determine which one of the five scores to drop.

Input Validation:

Do not accept test scores lower than 0 or higher than 100.