Homework Assignment 9

Due: 11:59PM, Thursday, April 6th

1. Please solve the mathematics problem using **nested for loops**.

Given 2 integers x and y, 1 ≤ x ≤ 8 and 0 ≤ y ≤ 10. Find all the combinations of x and y that make the expression (x – 4)3 + (y – 7)3 larger than 0.

Your program should display the solutions in this format, where the # symbols should be replaced by your answers.

x=#, y=# will make the expression positive.

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...

There will be many solutions, and your program must display all of them.

Hint:

1. You need nested for loops to evaluate the expression using all possible combinations of x and y in the given range.
2. The if statement can be written inside a for loop.
3. Read Sections 6.1 to 6.8 of the textbook.