



Exercise 2

Task 1:

1. Write a program that takes two positive integers as command-line arguments and prints true if either evenly divides the other.
2. Write a program that takes three positive integers as command-line arguments and prints true if any one of them is greater than or equal to the sum of the other two and false otherwise.
This computation tests whether the three numbers could be the lengths of the sides of some triangle.

Task 2:

1. Write a program that takes three integer command-line arguments and prints equal if all three are equal and not equal otherwise.
2. Write a code fragment that prints true if the double variables x and y are both strictly between 0 and 1 and false otherwise.

Task 3:

1. Write a program that, using one for loop and one if statement, prints the integers from 1000 to 2000 with five integers per line. Hint: use the % operator.
2. Write a program that takes one command-line argument N and prints out a two dimensional N-by-N checkerboard pattern with alternating spaces and asterisks, like the following 4-by-4 pattern.

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