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Exercise 5-11: Planning

Write the algorithm for the problem below. You are not writing actual code, but rather pseudocode to help your planning. Ask yourself the following questions:

* How many variables will you need? 4
* What are the data types of those variables? integer
* How many variables are you displaying? 1
* What are the data types of those variables? The numbers displayed are double type
* What math must you perform? division
* Is there anything you need to check before you do this math? That it is inside the given range of numbers we are testing.
* Which portion of the code needs to be repeated, if any? The division part it needs to divide each number between 100 and 200 by 5 and 6.

The program displays all the numbers from 100 to 200, ten per line, that are divisible by 5 or 6, but not both. Numbers are separated by exactly one space.

Set final number to test as 200

Set to display 10 numbers per line

Set an initial count to start at 100

Set initial number to start as 100

While loop to divide the initial number by 5 and by 6

If it is divisible by both do nothing and add 1 to the number and try again

If it is divisible by 5 but not 6 display the number, advance to a new line, and add 1 to the number and try again

Repeat until you hit the number 200