Exercise 380 Solve the following problems using a while loop:

- Show the numbers from 1 to 10
- Show the numbers from 10 to -10
- Find out how many divisors 28 has (mod or rem will be useful here)
- Find out if a number is prime
- Use an external while and an internal for loop to find the first 100 prime numbers.
- A perfect number is a number n whose divisors (including 1 but excluding itself) add up to n itself. For example, 6 is a perfect number. Check if a number is perfect.
- Use two nested while loops to find the first 3 perfect numbers.

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