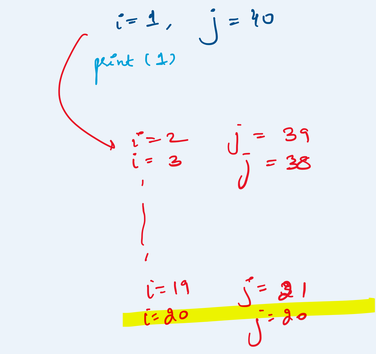
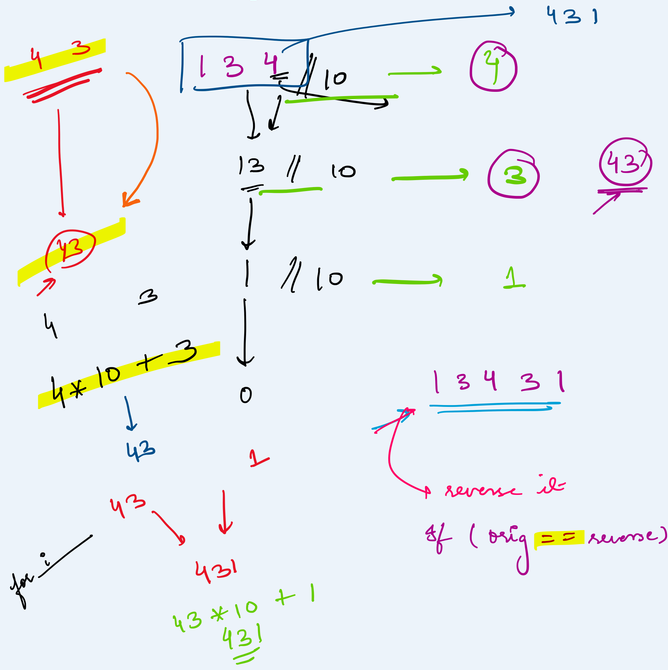
→ The part of our program that executes the same instruction again & again until a condition is met is called a loop.

Print 1 → 20 in reverse order

20 19 18 . . . . . 2 1

1 ⟶ 20



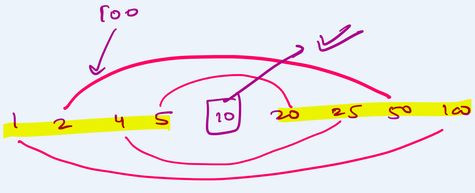


Factors

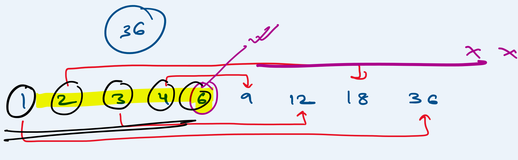
1. Run a loop from 1 to N.
2. For every no's, we keep dividing N by it.
   If N is divisible by that no, (remainder is 0), we print that no.

Prime numbers

1. Run a loop and keep dividing all numbers from 2 to n − 1.
2. If the no. is divisible by any of the no's, then it wont be a prime no.



* A non-prime no, should have a factor b/w 2 to $\sqrt{n}$.



Nested loops are 2 dimensional.

→ The inner loop indicates how many times we want to run a piece of instruction

→ The outer loop indicates how many times I want the inner loop to execute.