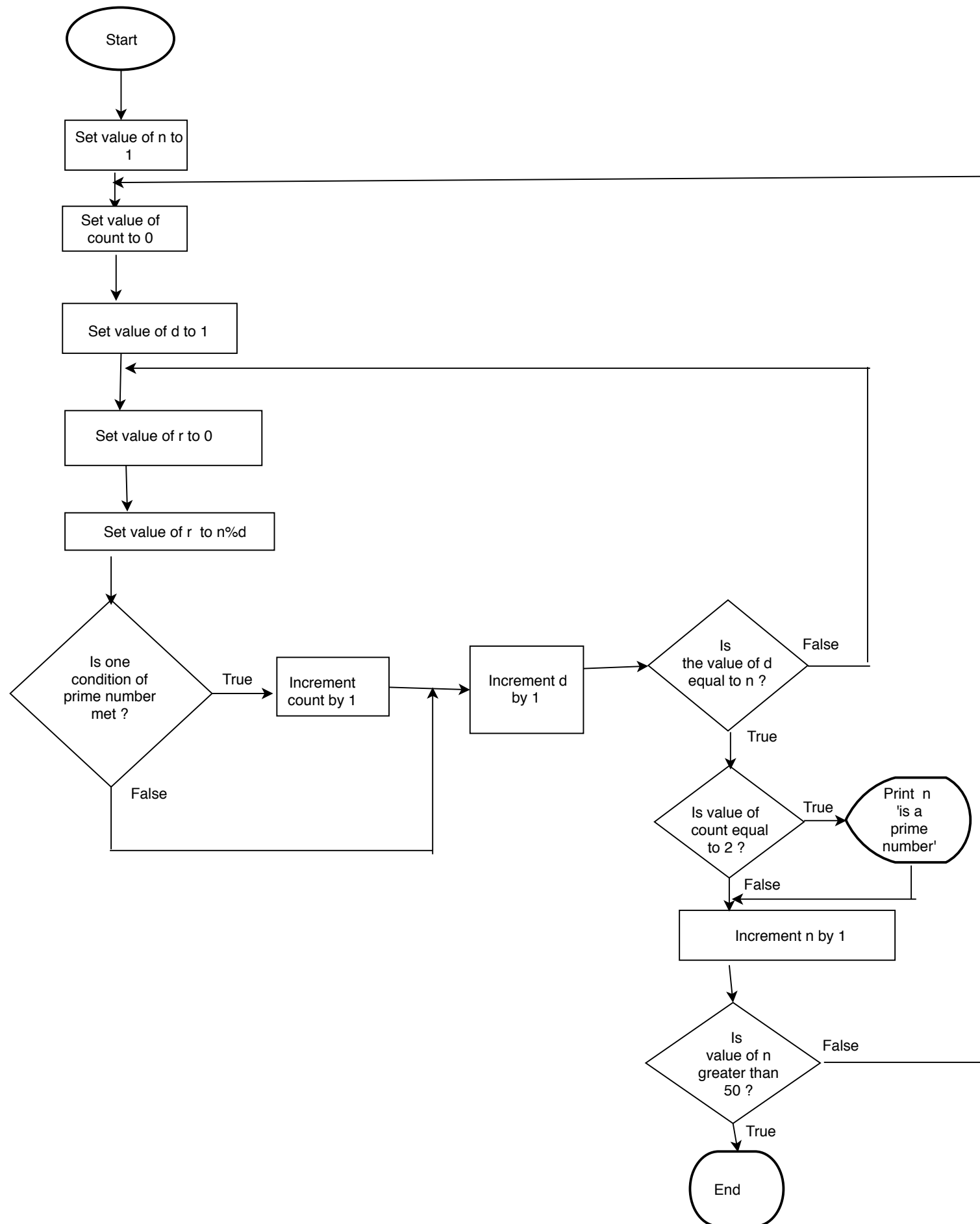


Flowchart for printing prime numbers from 1 to 50



Key

n is the number to be tested to be a prime number. n is iterating between 1 to 50.

d is the number between 1 to n. Incrementing with every iteration.

r is the remainder we get by dividing n by d.

Condition of prime number:

A positive integer which is only divisible by 1 and itself is known as prime number.

In our loop, for each n (1 to 50) to be a prime number, we have to check if both of these conditions are met:

1. value of r is 0 and d is 1
2. value of r is 0 and d is n.

The value of variable 'count', will increment each time, when each condition of prime number has been met.

count is the number of times each of the condition of prime number becomes true. Hence the value of count will increment each time, for n to be a prime number.