

## Algorithm: Prime Number Finder with Function

### Function: `isPrimeNumber(num)`

1. Input: integer `num`
2. For each integer `i` from 2 to `num - 1`:
  - If `num` is divisible by `i` (i.e., `num % i == 0`), then:
    - Return 0 (indicating `num` is **not prime**)
3. If no divisors found, return 1 (indicating `num` **is prime**)

### Main Program

1. Start
2. Display program title: "\*\*\* Prime Number Finder \*\*\*"
3. Prompt user to enter the starting number → store in `start_num`
4. Prompt user to enter the ending number → store in `end_num`
5. Set `i` to:
  - 2, if `start_num <= 1` (since primes start at 2)
  - Otherwise, `start_num`
6. Display message: "Prime Numbers between `start_num` and `end_num`:"
7. While `i` is less than or equal to `end_num`:
  - Call `isPrimeNumber(i)`
  - If return value is 1 (prime):
    - Print `i`
  - Increment `i` by 1
8. STOP the program