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\* Title : Assignment 06

\* File Name : fizzbuzz.js

\* Location : P:\Pirple\Assignment - 06\fizzbuzz.js

\* Type : Pirple Assignment 06

\* Author : Malav

\* Data : 07/03/2019 (dd/mm/yyyy)

\* Description : fizzbuzz.

\* question : You're about to do an assignment called "Fizz Buzz",

\* which is one of the classic programming challenges.

\* It is a favourite for interviewers,

\* and a shocking number of job-applicants can't get it right.

\* But you won't be one of those people.

\* Here are the rules for the assignment (as specified by Imran Gory):

\* Write a program that prints the numbers from 1 to 100.

\* But for multiples of three print "Fizz" instead

\* of the number and for the multiples of five print "Buzz".

\* For numbers which are multiples of both three and five print "FizzBuzz".

\*/

function fizzBuzz(length) {

const isPrime = (num) => {

if (num <= 1) return false;

if (num <= 3) return true;

if (num % 2 === 0 || num % 3 === 0) return false;

for (let i = 5; i \* i <= num; i += 6) {

if (num % i === 0 || num % (i + 2) === 0)

return false;

}

return true;

}

for (let i = 1; i <= length; i++) {

let output = "";

if (i % 3 === 0) {

output += "Fizz";

}

if (i % 5 === 0) {

output += "Buzz";

}

if (isPrime(i)) {

output += "Prime";

}

if (output === "") {

output = i;

}

console.log(output);

}

}

fizzBuzz(100);