

Credit Name: CSE 2110 Procedura; Programming 1
Assignment Name: Prime Number Mastery Project

How has your program changed from planning to coding to now? Please explain?

The PrimeNumber class directly checked if a number was prime within the main method, using a loop to divide the number by each integer up to half its value. During this change, I separated the prime-checking logic into a isPrime() method. Additionally, I looped only up to the square root of the number, rather than half, which made the method more efficient. This separation of logic into isPrime() also allows for easy reuse of the method in other parts of the program if needed, and keeps main focus on user interaction and output.