c program to check if a number is prime or not using while loop

#include <stdio.h>

#include <stdbool.h>

int main() {

    int number;

    bool isPrime = true;

    printf("Enter a positive integer greater than 1: ");

    scanf("%d", &number);

    if (number <= 1) {

        printf("Error: Please enter a positive integer greater than 1.\n");

    } else {

        int i = 2;

        while (i <= number / 2) {

            if (number % i == 0) {

                isPrime = false;

                break;

            }

            ++i;

        }

        if (isPrime) {

            printf("%d is a prime number.\n", number);

        } else {

            printf("%d is not a prime number.\n", number);

        }

    }

    return 0;

}