LAB 4-prime number

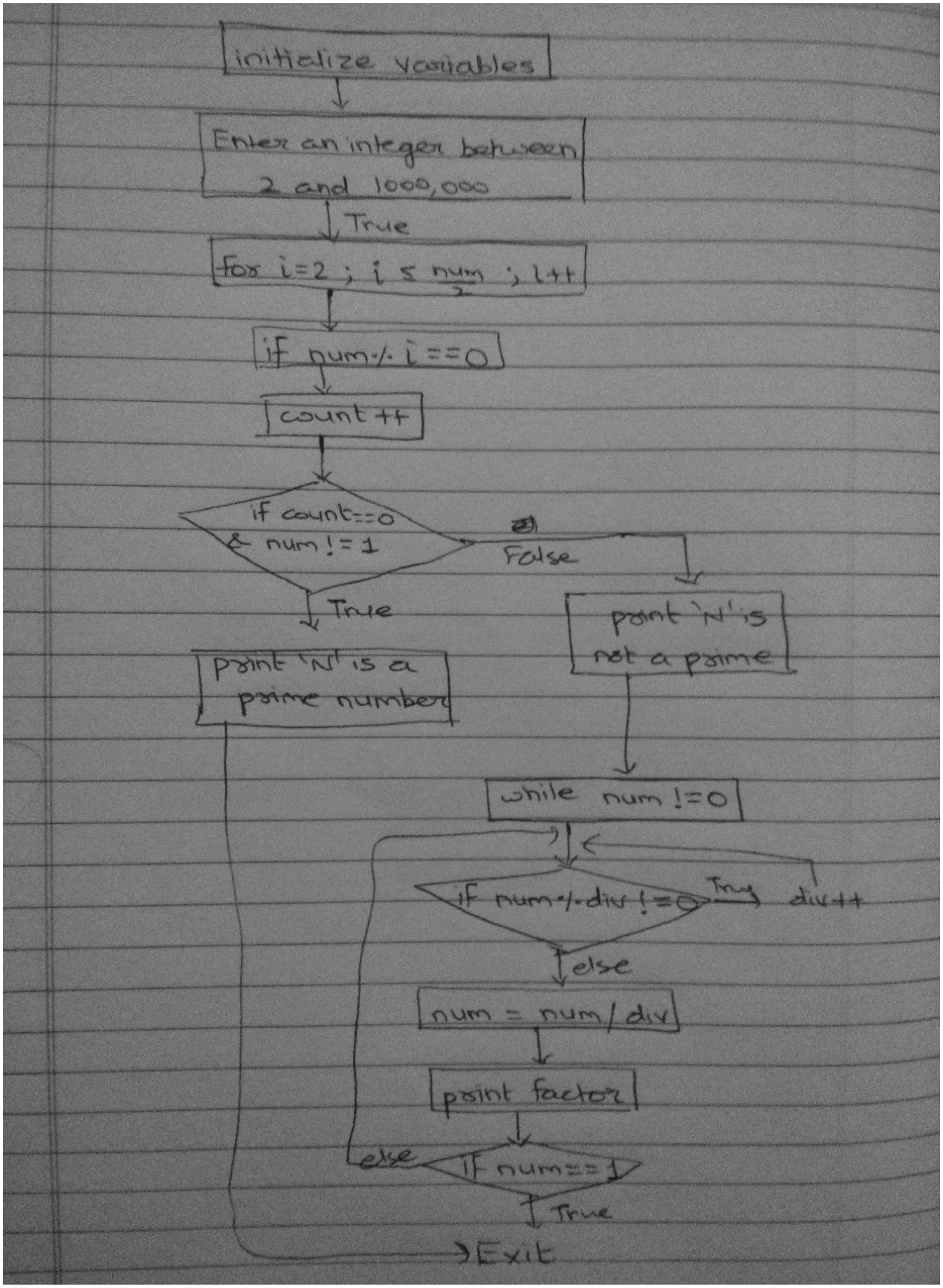
Step 1: Problem identification and definition

Write a program in C which prompts the user to enter a positive integer between 2 to 1000000 and prints if the number is prime or not. If the number is not prime, it prints the factorization of the number as a product of primes in ascending order.

Step 2: Gathering of Information, I/O Description

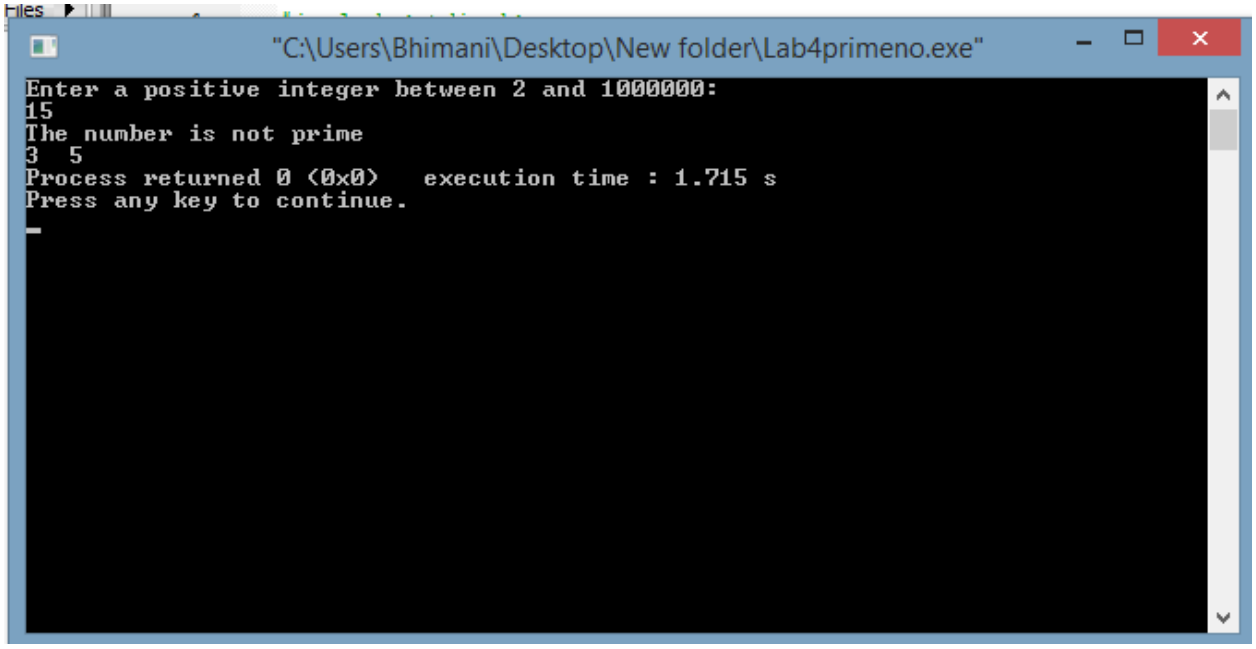
Input/output description

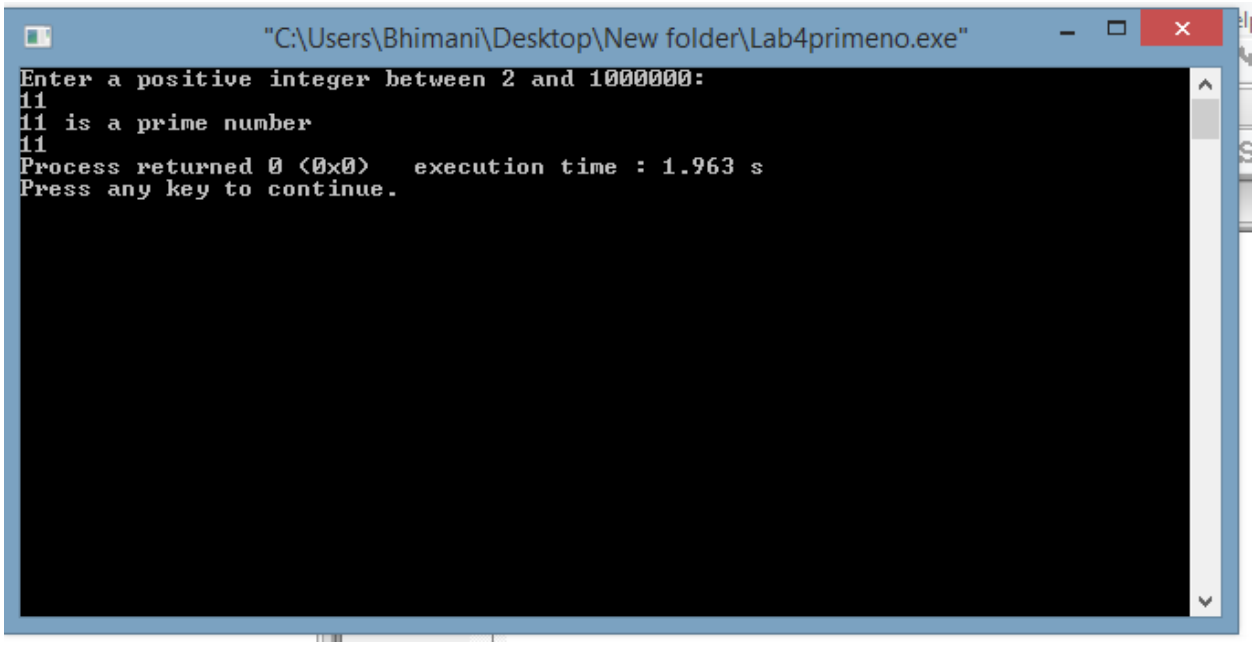
Step 3: Algorithm Development:

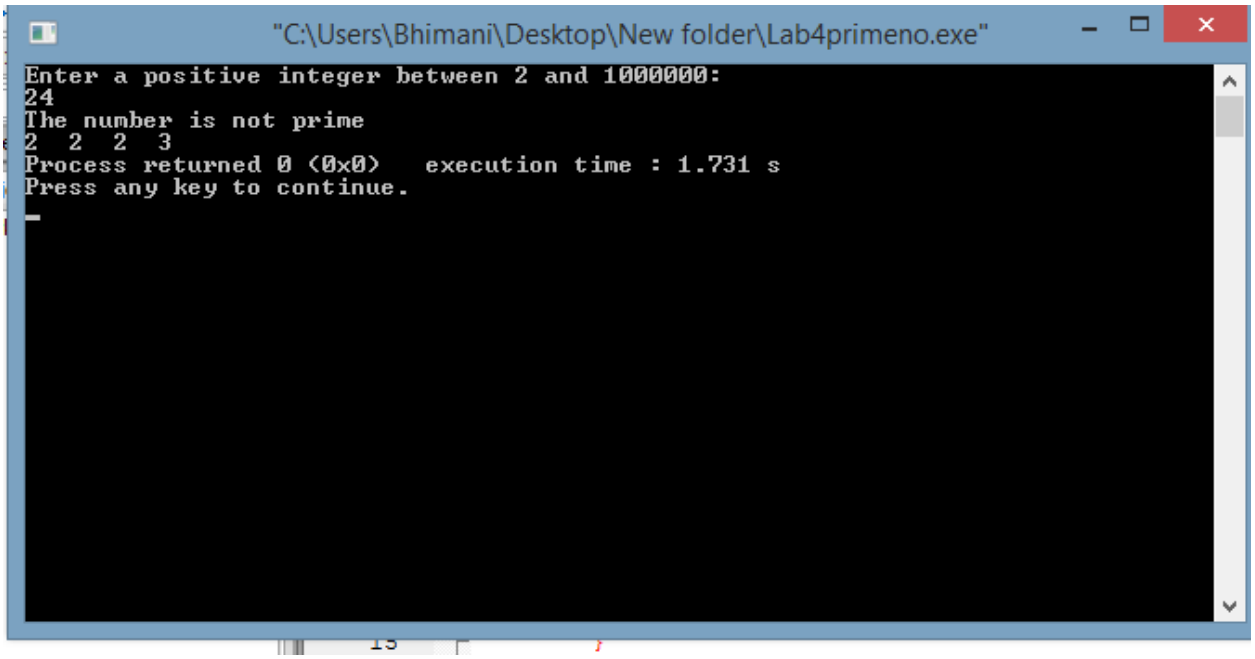


Step 4: Attached in separate .C file

Step5: Verification






"C:\Users\Bhimani\Desktop\New folder\Lab4primeno.exe"
Enter a positive integer between 2 and 1000000:
24
The number is not prime
2 2 2 3
Process returned 0 (0x0) execution time : 1.731 s
Press any key to continue.