**26. Strong number in c++**

**PROGRAM:**

#include <iostream>

using namespace std;

int factorial(int n) {

int fact = 1;

for (int i = 1; i <= n; ++i) {

fact \*= i;

}

return fact;

}

bool isStrongNumber(int num) {

int originalNum = num;

int sum = 0;

while (num > 0) {

int digit = num % 10;

sum += factorial(digit);

num /= 10;

}

return (sum == originalNum);

}

int main() {

int num;

cout << "Enter a number: ";

cin >> num;

if (isStrongNumber(num)) {

cout << num << " is a strong number." ;

} else {

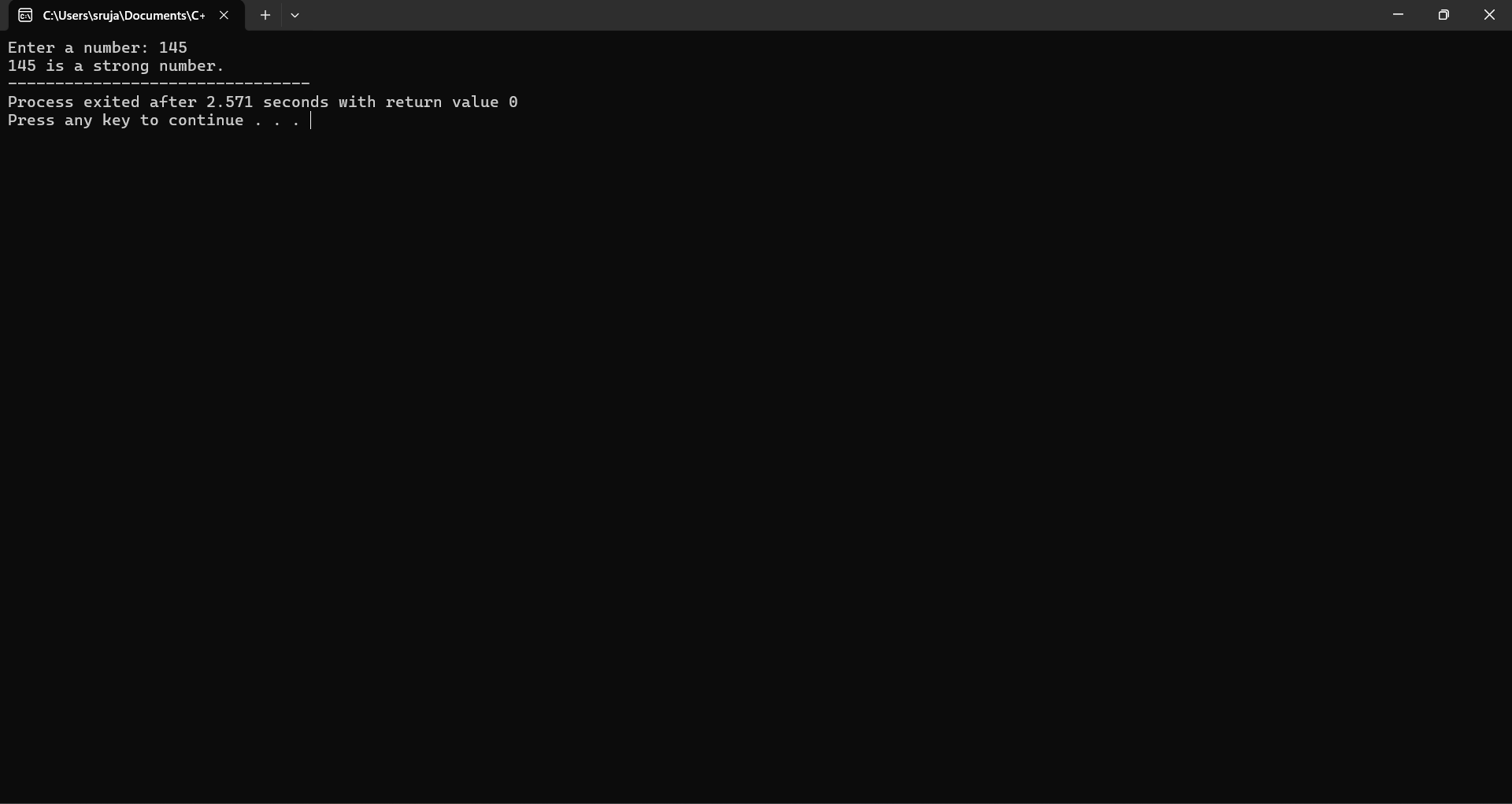
cout << num << " is not a strong number." ;

}

return 0;

}

**OUTPUT:**

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