**22. Check whether the number is perfect or not**

**PROGRAM:**

#include <iostream>

using namespace std;

bool isPerfect(int num) {

int sum = 0;

for (int i = 1; i <= num / 2; ++i) {

if (num % i == 0) {

sum += i;

}

}

return (sum == num);

}

int main() {

int num;

cout << "Enter a positive integer: ";

cin >> num;

if (isPerfect(num)) {

cout << num << " is a perfect number." << endl;

} else {

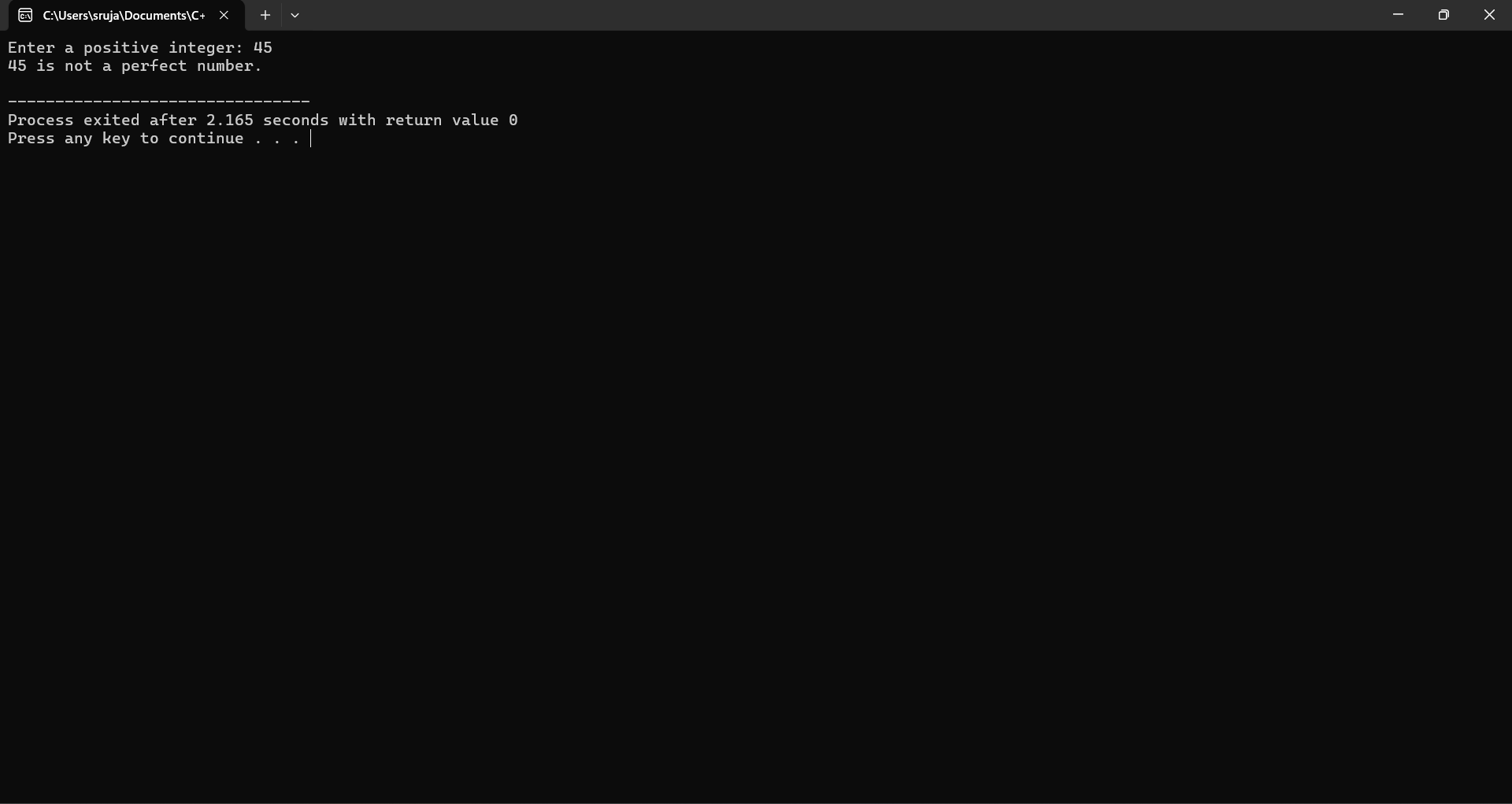
cout << num << " is not a perfect number." << endl;

}

return 0;

}

**OUTPUT:**

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