Write a function increment that takes a pointer to an integer and increments its value by 1. Demonstrate the function in the main program.

#include <iostream>

using namespace std;

void increment(int\* ptr) {

(\* ptr) = (\* ptr) + 1;

}

int main() {

int num = 5;

cout << "Initial value of num: " << num << endl;

increment(&num);

cout << "Value of num after increment: " << num << endl;

return 0;

}

Summary:

1. Include headers.
2. Define the increment function.
3. Inside the function the value pointed by ptr is incremented by 1.
4. Declare a variable num and initialize to 5.
5. Print num.
6. Call the increment function and passing the address of num and then print num.