```cpp
/**
This is a program to add the first N integers.
*/
#include <iostream>

int main() {
        int N;
        std::cout << "Enter N" << std::endl;
        std::cin >> N;

        int sum = 0;

        for (int j = 1; j <= N; j++) {
                sum += j;
        }
        std::cout << "Sum of the first N integers is : " << sum << std::endl;

        return 0;
}
```