

```

#include <iostream>
#include <map>
#include <functional>
void add(int a, int b) {
    std::cout << "Addition result: " << a + b << std::endl;
}

void subtract(int a, int b) {
    std::cout << "Subtraction result: " << a - b << std::endl;
}

void multiply(int a, int b) {
    std::cout << "Multiplication result: " << a * b << std::endl;
}

void divide(int a, int b) {
    if (b != 0)
        std::cout << "Division result: " << a / b << std::endl;
    else
        std::cout << "Error: Division by zero!" << std::endl;
}

int main() {
    // 创建一个 std::map, 存储操作名称和相应的函数
    std::map<std::string, std::function<void(int, int)>> operations;

    operations["add"] = add;
    operations["subtract"] = subtract;
    operations["multiply"] = multiply;
    operations["divide"] = divide;

    std::string choice;
    std::cout << "Enter operation (add, subtract, multiply, divide): ";
    std::cin >> choice;

    if (operations.find(choice) != operations.end()) {
        // 执行相应的操作
        operations[choice](10, 5); // 举例调用
    } else {
        std::cout << "Invalid operation\n";
    }

    return 0;
}

```

