#include <iostream>

#include <stdexcept>

int main() {

try {

// Get user input for numerator and denominator

int numerator, denominator;

std::cout << "Enter numerator: ";

std::cin >> numerator;

std::cout << "Enter denominator: ";

std::cin >> denominator;

// Check for divide-by-zero and throw an exception if it occurs

if (denominator == 0) {

throw std::runtime\_error("Error: Divide by zero is not allowed.");

}

// Perform the division

double result = static\_cast<double>(numerator) / denominator;

// Display the result

std::cout << "Result of division: " << result << std::endl;

} catch (const std::exception& e) {

// Catch and handle the exception

std::cerr << "Exception caught: " << e.what() << std::endl;

}

return 0;

}