Write a program to perform arithmetic operation on number using structure.

Source Code:-

#include <iostream>

using namespace std;

// Define a structure to hold two numbers

struct Numbers

{

double num1;

double num2;

};

// Function to add two numbers

double add(Numbers nums)

{

return nums.num1 + nums.num2;

}

// Function to subtract two numbers

double subtract(Numbers nums)

{

return nums.num1 - nums.num2;

}

// Function to multiply two numbers

double multiply(Numbers nums)

{

return nums.num1 \* nums.num2;

}

// Function to divide two numbers

double divide(Numbers nums)

{

if (nums.num2 == 0)

{

cout << "Error: Cannot divide by zero." << endl;

return 0;

}

else

{

return nums.num1 / nums.num2;

}

}

int main()

{

// Declare a Numbers structure

Numbers nums;

// Get input from the user

cout << "Enter two numbers: ";

cin >> nums.num1 >> nums.num2;

// Perform arithmetic operations

cout << "Sum: " << add(nums) << endl;

cout << "Difference: " << subtract(nums) << endl;

cout << "Product: " << multiply(nums) << endl;

cout << "Quotient: " << divide(nums) << endl;

return 0;

}

Output:-

