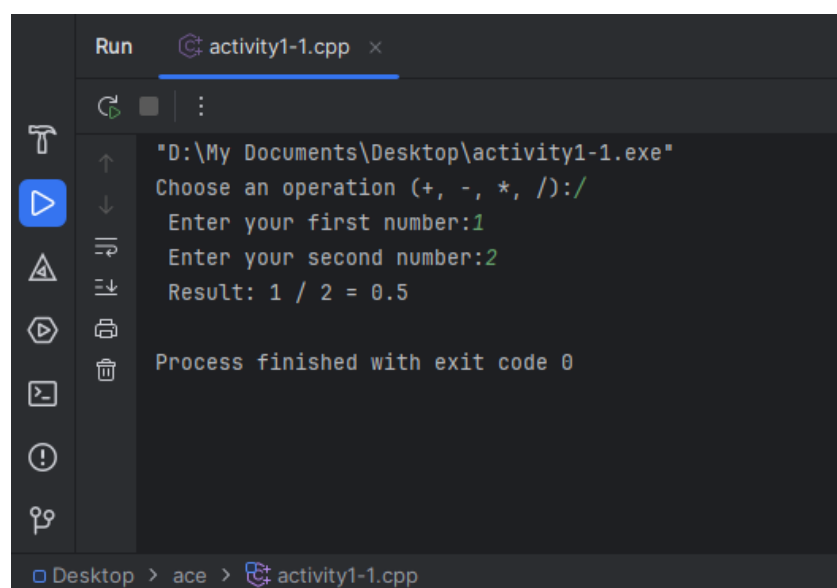


**Activity 1-1**

```
1  > #include <iostream>
2      using namespace std;
3
4  > int main() {
5      string op;
6      cout << "Choose an operation (+, -, *, /): ";
7      cin >> op;
8
9      float num1;
10     cout << "Enter your first number: ";
11     cin >> num1;
12     float num2;
13     cout << "Enter your second number: ";
14     cin >> num2;
15
16     if (op == "+") {
17         cout << "Result: " << num1 << " + " << num2 << " = " << num1+num2 << endl;
18     }
19
20     if (op == "-") {
21         cout << "Result: " << num1 << " - " << num2 << " = " << num1-num2 << endl;
22     }
23
24     if (op == "*") {
25         cout << "Result: " << num1 << " * " << num2 << " = " << num1*num2 << endl;
26     }
27
28     if (op == "/") {
29         cout << "Result: " << num1 << " / " << num2 << " = " << num1/num2 << endl;
30     }
31
32     return 0;
33 }
```



Run activity1-1.cpp x

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"D:\My Documents\Desktop\activity1-1.exe"

Choose an operation (+, -, \*, /):/

Enter your first number:1

Enter your second number:2

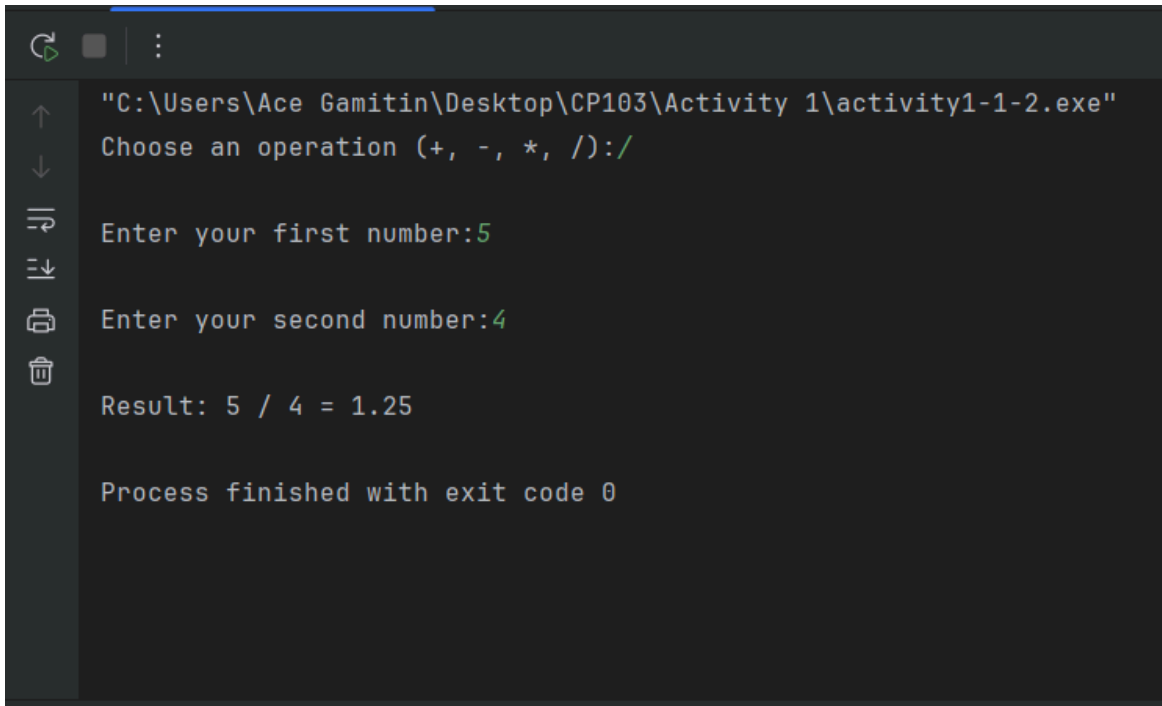
Result: 1 / 2 = 0.5

Process finished with exit code 0

Desktop > ace > activity1-1.cpp

## Activity 1-1-2

```
1  ▶ #include <iostream>
2    using namespace std;
3
4  ▶ int main() {
5      double num1, num2;
6      char op;
7      cout << "Choose an operation (+, -, *, /): ";
8      cin >> op;
9
10     cout << "Enter your first number: ";
11     cin >> num1;
12     cout << "Enter your second number: ";
13     cin >> num2;
14
15     switch (op) {
16     case '+':
17         cout << "Result: " << num1 << " + " << num2 << " = " << num1+num2 << endl;
18         break;
19
20     case '-':
21         cout << "Result: " << num1 << " - " << num2 << " = " << num1-num2 << endl;
22         break;
23
24     case '*':
25         cout << "Result: " << num1 << " * " << num2 << " = " << num1*num2 << endl;
26         break;
27     case '/':
28         cout << "Result: " << num1 << " / " << num2 << " = " << num1/num2 << endl;
29         break;
30
31     }
32
33     return 0;
34 }
35
```



```
"C:\Users\Ace Gamitin\Desktop\CP103\Activity 1\activity1-1-2.exe"
Choose an operation (+, -, *, /):/

Enter your first number:5

Enter your second number:4

Result: 5 / 4 = 1.25

Process finished with exit code 0
```

## Activity 1-2

```
1 > #include <iostream>
2   using namespace std;
3
4 > int main() {
5     int loopCount;
6     cout << "Enter how many numbers: ";
7     cin >> loopCount;
8
9     float sum = 0;
10
11     for (int i = 0; i < loopCount; i++) {
12         int num;
13         cout << "Enter your number: ";
14         cin >> num;
15
16         sum += num;
17     }
18
19     float avg = sum / loopCount;
20
21     cout << "Sum:" << sum << endl;
22     cout << "Average: " << avg << endl;
23     return 0;
24 }
```

```
"D:\My Documents\Desktop\activity1-2.exe"
```

```
Enter how many numbers:3
```

```
Enter your number:66
```

```
Enter your number:56
```

```
Enter your number:78
```

```
Sum:200
```

```
Average: 66.6667
```

```
Process finished with exit code 0
```

```
|
```