

SIMPLE CALCULATOR

Code:

```
#include <iostream>
```

```
int main() {
```

```
    double num1, num2, result;
```

```
    char operation;
```

```
    std::cout << "Enter the first number, operation (+, -, *, /),  
and second number: ";
```

```
    std::cin >> num1 >> operation >> num2;
```

```
    if (operation == '+') {
```

```
        result = num1 + num2;
```

```
    } else if (operation == '-') {
```

```
        result = num1 - num2;
```

```
    } else if (operation == '*') {
```

```
        result = num1 * num2;
```

```
} else if (operation == '/') {  
    if (num2 != 0) {  
        result = num1 / num2;  
    } else {  
        std::cerr << "Error: Division by zero!" << std::endl;  
        return 1;  
    }  
} else {  
    std::cerr << "Invalid operation!" << std::endl;  
    return 1;  
}  
  
std::cout << "Result: " << result << std::endl;  
return 0;  
}
```

Output:

Enter the first number, operation (+, -, *, /), and second number: 5*8

Result: 40

Enter the first number, operation (+, -, *, /), and second number: 5+8

Result: 13

Enter the first number, operation (+, -, *, /), and second number: 8-7

Result: 1

Enter the first number, operation (+, -, *, /), and second number: 40/10

Result: 4