

Task 2

Code

```
#include <iostream>

int main()
{
    char operation, choice;
    int num1, num2;

    do
    {
        std::cout << "Enter the first number: ";
        std::cin >> num1;

        std::cout << "Enter the second number: ";
        std::cin >> num2;

        std::cout << "Enter the operation(+, -, *, /): ";
        std::cin >> operation;

        switch (operation)
        {
            case '+':
                std::cout << "The sum is " << num1 + num2 << std::endl;
                break;
            case '-':
                std::cout << "The difference is " << num1 - num2 << std::endl;
                break;
            case '*':
                std::cout << "The product is " << num1 * num2 << std::endl;
                break;
            case 'x':
                std::cout << "The product is " << num1 * num2 << std::endl;
                break;
            case 'X':
                std::cout << "The product is " << num1 * num2 << std::endl;
                break;
            case '/':
                std::cout << "The quotient is " << num1 / num2 << std::endl;
                break;
            case '\\':
```

```

        std::cout << "The quotient is " << num1 / num2 << std::endl;
        break;
    default:
        std::cout << "Invalid Operation." << std::endl;
        break;
    }

    while (true)
    {
        std::cout << "Calculate again?(Y/N): ";
        std::cin >> choice;

        if (choice == 'Y' || choice == 'y' || choice == 'N' || choice == 'n')
            break;

        else
        {
            std::cout << "Invalid Choice" << std::endl;
            continue;
        }
    }

} while (choice == 'y' || choice == 'Y');
}

```

Solution

```
Enter the first number: 5
Enter the second number: 5
Enter the operation(+, -, *, /): +
The sum is 10
Calculate again?(Y/N): y
Enter the first number: 5
Enter the second number: 5
Enter the operation(+, -, *, /): \
The quotient is 1
Calculate again?(Y/N): y
Enter the first number: 5
Enter the second number: 5
Enter the operation(+, -, *, /): *
The product is 25
Calculate again?(Y/N): n

C:\Users\murta\source\repos\Lab\Debug\Lab.exe (
To automatically close the console when debuggi
le when debugging stops.
Press any key to close this window . . .
```