

```

#include <iostream>
using namespace std;

int main()
{
    double a;
    int b, c;
    char character;

    cout << "Enter a character: ";
    cin >> character;
    cout << "Enter value for double value a: ";
    cin >> a;
    cout << "Enter value for integer value b: ";
    cin >> b;
    cout << "Enter value for integer value c: ";
    cin >> c;
    cout << endl;

    cout << "Your character is " << character << endl;
    cout << "Your value for a is " << a << endl;
    cout << "Your value for b is " << b << endl;
    cout << "Your value for c is " << c << endl;
    cout << endl;

    cout << "The reciprocal of a is " << 1 / a << endl;
    cout << "a/c is " << a / c << endl;
    cout << "a + b + c is " << a + b + c << endl;
    cout << endl;

    cout << "The reciprocal of b is " << 1 / static_cast<double>(b) << endl;
    cout << "The reciprocal of c is " << 1 / static_cast<double>(c) << endl;
    cout << "b/c is " << b / c << endl;
    cout << "b modulus c is " << b % c << endl;
    return (0);
}

```