Question 1

operators	

- Evaluate the following program.

```cpp
#include <iostream>
using std::cout;
using std::endl;

int main() {
    int a, b, c;

    a = 2, b = 3;
    cout << a << " " << b << endl;
    cout << (5 * ++a * b++) << endl;
    cout << a << " " << b << endl;
    cout << "-----" << endl;

    a = 2, b = 3, c = 5;
    a *= 2; b /= 2; c %= 3;
    cout << a << " " << b << " " << c << endl;
    cout << "-----" << endl;

    cout << (2 == 5 % 3) << endl;
    cout << (12345 % 9) << endl;

    return 0;
}
```

Output

```
2 3
45
3 4
-----
4 1 2
-----
1
6
```

- Evaluate the statement piece by piece, indicating the order in which each piece would be evaluated. Also indicate whether any part of the statement would produce a runtime error (e.g. by dividing by `0`).