1. Start

2. Prompt user for first number

3. Prompt user for second number

4. Display menu:

4.1 Calculate

4.2. Exit

5. If user selects 1:

5.1 Perform addition, subtraction, multiplication, and division

5.2 Display results

6. If user selects 2:

6.1 Exit program

7. Repeat until user selects 2

8. End