

Welcome to the Calculator Program!

Choose an option:

1. Add
2. Subtract
3. Multiply
4. Divide
5. Fibonacci
6. Mean
7. Mode
8. Exit

Enter an integer: 1

Enter two numbers:

Enter a number: 23

Enter a number: 45

Result: 68.0

Choose an option:

1. Add
2. Subtract
3. Multiply
4. Divide
5. Fibonacci
6. Mean
7. Mode
8. Exit

Enter an integer: 2

Enter two numbers:

Enter a number: 12

Enter a number: 45

Result: -33.0

Choose an option:

1. Add
2. Subtract
3. Multiply
4. Divide
5. Fibonacci
6. Mean
7. Mode
8. Exit

Enter an integer: 3

Enter two numbers:

Enter a number: 567

Enter a number: 234

Result: 132678.0

Choose an option:

1. Add
2. Subtract
3. Multiply
4. Divide
5. Fibonacci
6. Mean
7. Mode
8. Exit

Enter an integer: 4

Enter two numbers:

Enter a number: 2343

Enter a number: 23

Result: 101.8695652173913

Choose an option:

1. Add
2. Subtract
3. Multiply
4. Divide
5. Fibonacci
6. Mean
7. Mode
8. Exit

Enter an integer: 5
Enter a number for Fibonacci sequence:
Enter an integer: 12
Fibonacci result: 144
Choose an option:
1. Add
2. Subtract
3. Multiply
4. Divide
5. Fibonacci
6. Mean
7. Mode
8. Exit
Enter an integer: 6
Enter array size:
Enter an integer: 5
Enter 5 numbers:
12 123 12 54 23
Mean: 44.8
Choose an option:
1. Add
2. Subtract
3. Multiply
4. Divide
5. Fibonacci
6. Mean
7. Mode
8. Exit
Enter an integer: 7
Enter array size:
Enter an integer: 5
Enter 5 integers:
12 46 48 234 56
Mode: 48
Choose an option:
1. Add
2. Subtract
3. Multiply
4. Divide
5. Fibonacci
6. Mean
7. Mode
8. Exit
Enter an integer: 8
Exiting program. Goodbye!