

## Outputs for Arithmetic Operations

### Output 1:

```
Enter first number: 14
Enter second number: 15
Addition: 29
Subtraction: -1
Sequential Multiplication: 210
Bit Multiplication: 210
Booth's Multiplication: 210
Bit-Pair Multiplication: 210
Division (Restoring): Quotient = 0, Remainder = 14
Division (Non-Restoring): Quotient = 0, Remainder = 14
```

### Output 2:

```
Enter first number: -14
Enter second number: -15
Addition: -29
Subtraction: 1
Sequential Multiplication: 210
Bit Multiplication: 210
Booth's Multiplication: 210
Bit-Pair Multiplication: 210
Division (Restoring): Quotient = 0, Remainder = -14
Division (Non-Restoring): Quotient = 0, Remainder = -14
```

### Output 3:

```
Enter first number: -14
Enter second number: 15
Addition: 1
Subtraction: -29
Sequential Multiplication: -210
Bit Multiplication: -210
Booth's Multiplication: -210
Bit-Pair Multiplication: -210
Division (Restoring): Quotient = 0, Remainder = -14
Division (Non-Restoring): Quotient = 0, Remainder = -14
```

### Output 4:

```
Enter first number: 14
Enter second number: -15
Addition: -1
Subtraction: 29
Sequential Multiplication: -210
Bit Multiplication: -210
Booth's Multiplication: -210
Bit-Pair Multiplication: -210
Division (Restoring): Quotient = 0, Remainder = 14
Division (Non-Restoring): Quotient = 0, Remainder = 14
```