

Invalid choice

```
=====
MATHEMATICAL OPERATIONS MENU
=====
[D] - Divide
[E] - Exponentiation
[R] - Remainder
[F] - Summation
[Q] - Quit
=====
Enter your choice: Z
=====
Invalid choice. Please try again.
```

Divide

```
=====
MATHEMATICAL OPERATIONS MENU
=====
[D] - Divide
[E] - Exponentiation
[R] - Remainder
[F] - Summation
[Q] - Quit
=====
Enter your choice: D
=====
Enter first number: 90
Enter second number: 3
=====
Result: 30.00
```

## Divide (0 Denominator)

```
=====
MATHEMATICAL OPERATIONS MENU
=====
[D] - Divide
[E] - Exponentiation
[R] - Remainder
[F] - Summation
[Q] - Quit
=====
Enter your choice: d
=====
Enter first number: 85
Enter second number: 0
=====
Error: Denominator cannot be zero.
```

## Exponentiation

```
=====
MATHEMATICAL OPERATIONS MENU
=====
[D] - Divide
[E] - Exponentiation
[R] - Remainder
[F] - Summation
[Q] - Quit
=====
Enter your choice: E
=====
Enter first number: 70
Enter second number: 3
=====
Result: 343000.00
```

## Remainder

```
=====
MATHEMATICAL OPERATIONS MENU
=====
[D] - Divide
[E] - Exponentiation
[R] - Remainder
[F] - Summation
[Q] - Quit
=====
Enter your choice: R
=====
Enter first number: 117
Enter second number: 8
=====
Result: 5.00
```

## Remainder (0 Denominator)

```
=====
MATHEMATICAL OPERATIONS MENU
=====
[D] - Divide
[E] - Exponentiation
[R] - Remainder
[F] - Summation
[Q] - Quit
=====
Enter your choice: R
=====
Enter first number: 178
Enter second number: 0
=====
Error: Denominator cannot be zero.
```

## Summation

```
=====
MATHEMATICAL OPERATIONS MENU
=====
[D] - Divide
[E] - Exponentiation
[R] - Remainder
[F] - Summation
[Q] - Quit
=====
Enter your choice: F
=====
Enter first number: 89
Enter second number: 100
=====
Result: 1134.00
```

Summation (Second number must be greater than the first number)

```
=====
MATHEMATICAL OPERATIONS MENU
=====
[D] - Divide
[E] - Exponentiation
[R] - Remainder
[F] - Summation
[Q] - Quit
=====
Enter your choice: F
=====
Enter first number: 89
Enter second number: 5
=====
Error: Second number must be greater than the first number.
```

Numeric values only

```
=====
MATHEMATICAL OPERATIONS MENU
=====
[D] - Divide
[E] - Exponentiation
[R] - Remainder
[F] - Summation
[Q] - Quit
=====
Enter your choice: D
=====
Enter first number: 100
Enter second number: D
Invalid input! Please enter numeric values.
```

Exit

```
=====
MATHEMATICAL OPERATIONS MENU
=====
[D] - Divide
[E] - Exponentiation
[R] - Remainder
[F] - Summation
[Q] - Quit
=====
Enter your choice: q
=====
Exiting the program. Goodbye!
```