Namespace FractionLib

Structs

Fraction

Обыкновенная дробь

Struct Fraction

Namespace: FractionLib

Assembly: FractionLib.dll

Обыкновенная дробь

```
public readonly struct Fraction : IEquatable<Fraction>
```

Implements
IEquatable<Fraction>

Inherited Members
object.Equals(object, object) , object.GetType() , object.ReferenceEquals(object, object)

Constructors

Fraction(int, int)

Конструктор, с автоматическим упрощением

```
public Fraction(int numerator, int denominator)
```

Parameters

`numerator` int

числитель

`denominator` int

знаменатель

Exceptions

DivideByZeroException

Знаменатель равен нулю

Properties

Denominator

Знаменатель

```
public int Denominator { get; }
```

Property Value

int

Numerator

Числитель

```
public int Numerator { get; }
```

Property Value

int

Methods

Equals(Fraction)

Indicates whether the current object is equal to another object of the same type.

```
public bool Equals(Fraction other)
```

Parameters

`other` Fraction

An object to compare with this object.

Returns

bool

true if the current object is equal to the `other` parameter; otherwise, false.

Equals(object?)

Indicates whether this instance and a specified object are equal.

```
public override bool Equals(object? obj)
```

Parameters

`obj` object

The object to compare with the current instance.

Returns

bool

true if `obj` and this instance are the same type and represent the same value; otherwise, false.

GetHashCode()

Returns the hash code for this instance.

```
public override int GetHashCode()
```

Returns

int

A 32-bit signed integer that is the hash code for this instance.

ToDouble()

```
public double ToDouble()
```

Returns

double

ToString()

Returns the fully qualified type name of this instance.

```
public override string ToString()
```

Returns

string

The fully qualified type name.

Operators

operator +(Fraction, Fraction)

```
public static Fraction operator +(Fraction a, Fraction b)
```

Parameters

a Fraction

b Fraction

Returns

Fraction

operator /(Fraction, Fraction)

```
public static Fraction operator /(Fraction a, Fraction b)
```

Parameters

a Fraction

b Fraction

Returns

Fraction

operator *(Fraction, Fraction)

```
public static Fraction operator *(Fraction a, Fraction b)
```

Parameters

a Fraction

b Fraction

Returns

Fraction

operator -(Fraction, Fraction)

```
public static Fraction operator -(Fraction a, Fraction b)
```

Parameters

a Fraction

b Fraction

Returns

Fraction