

Defined Symbols

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Definitions

Bucket

Defined Symbols uses a DynamicArray of type <double>. Each index is a bucket. You can resize the Array to suit the needs of the program. The default length is 20.

Feeds

IQFeed, Signal, Schwab, Interactive Brokers, Gain, TradeStation

Quote Fields

Last, Change, Open, High, Low, TradeVol, TradeExg, ListExg, Open2, Base, Prev, TotalVol, Ticks, Status, NewsCount, OpenInt, UpDownTick, Bid, BidSize, BidExg, Ask, AskSize, AskExg, Coupon, Yield, 52 Week High, 52 Week Low, HeadlineCount, UpdateTime, Dividend, Div Interval, Div Yield, 52 High Date, 52 Low Date, Name, EPS, PE Ratio, X DivDate, Shares Outstanding, NetOpen, PercentOpen, PrevVol, VBid, VAsk, PercentClose, Exchange, SecType, PrevLast, Currency, Week Open, Month Open, Year Open, Earnings Date, Override, Feed Name, Feed Enum, Mid, 5 Day Mid, DOMBidSum, DOMAskSum, Multiplier, Ticker Id, Defined

Reference Bars

RB0 – Current Reference Bar, RB1, RB2, RB3, RB4

General

Comments

Description: Double Slashes either alone on a line or at the end of a line.

Syntax: `// <comment>`

Example: `// This is a comment.`

Update

Description: Updates any symbol's field using a given feed.

Syntax: `UpdateI(<symbol>, <feed>, <field>, <bucket>)`

Example: `Update(MYSYMBOL, IQFeed, Last, 0);`

SetLength

Description: The default Bucket List is 20 (0 through 19). You can set the size to anything you need.

Syntax: `SetLength(<length>)`

Example: `SetLength(1000);`

SetBucket

Description: Place a number into a bucket for use or storage.

Syntax: `SetBucket(<value>, <bucket>)`

Example: `SetBucket(1748.32, 0)`

GetValue

Description: Gets the quote value and puts it into a bucket

Syntax: `GetValue(<Symbol>, <feed>, <Field>, <Bucket>);`

Example: `GetValue(@ES#, IQFeed, Open, 0)`

UseFlag

Description: Use the Flag for coloring on a custom page Defined column.

Syntax: `SetFlag(< boolean >)`

Example: `SetFlag(true);`

Note: The UseFlag is defaulted to TRUE and this function does nothing at this time.

UseValue

Descriptions: Use the Flag to Display the value in the Defined column of a cusom page.

Syntax: `UseValue(<boolean>)`

Example: `UseValue(true)`

Note: The UseValue is defaulted to TRUE and this function does nothing at this time.

Chart Bars

GetRB

Description: Gets the Bar Value of the RB
Syntax: GetBar(<chart>, <feed>, <type>, <field>, <bucket>)
Example: GetBar(@ES#.30, IQFeed, RBO, OPEN, 0)
Note: The value is placed into the bucket

GetBar

Description: Gets the Bar Value at N-Bars Back (0 is current bar)
Syntax: GetBar(<chart>, <feed>, <field>, <bars back>, <bucket>)
Example: GetBar(@ES#.30, IQFeed, OPEN, 0, 0);
Fields: Open, High, Low, Last, Close, Volume, Mid, Change, NetOpen
Note: The value is placed into the bucket

GetSMA

Description: Gets the Current SMA
Syntax: GetSMA(<chart>, <feed>, <field>, <period>, <bucket>)
Example: GetSMA(@ES#.30, IQFeed, OPEN, 10, 0);
Fields: Open, High, Low, Last, Close, Volume
Note: The value is placed into the bucket

GetATR

Description: Gets the Average True Range
Syntax: GetATR(<chart>, <period>, <bucket>)
Example: GetATR(10);
Note: The value is placed into the bucket

GetOpen

Description: Gets Specific Bar Value
Syntax: GetOpen(<chart>, <feed>, <field>, <bucket>)
Example: GetOpen(@ES#.D, IQFeed, WEEK, 0);
Open: Day, Week, Month, Quarter, Year
Note: This must be a Daily Chart
Note: The value is placed into the bucket

GetHigh

Description: Gets Specific Bar Value
Syntax: GetHigh(<chart>, <feed>, <field>, <bucket>)
Example: GetHigh(@ES#.D, IQFeed, Week, 0);
Open: Day, Week, Month, Quarter, Year
Note: This must be a Daily Chart
Note: The value is placed into the bucket

GetLow

Description: Gets Specific Bar Value
Syntax: GetLow(<chart>, <feed>, <field>, <bucket>)
Example: Geth(@ES#.D, IQFeed, Week, 0);
Open: Day, Week, Month, Quarter, Year
Note: This must be a Daily Chart
Note: The value is placed into the bucket

Math

Add

Description: Add two bucket values together
Syntax: Add(<first bucket>, <second bucket>, <bucket>)
Example: Add(0, 1, 2)
Note: The value is placed into the bucket

Sum

Description: Sum sequential bucket values.
Syntax: Sum(<starting bucket>, <ending bucket>, <bucket>)
Example: Sum(0, 15, 16)
Note: The value is placed into the bucket

Subtract

Description: Subtracts first bucket value from second bucket value.
Syntax: Subtract(<first bucket>, <second bucket>, <bucket>)
Example: Subtract(0, 1, 2)
Note: The value is placed into the bucket

Multiply

Descriptions: Multiplies two bucket values.
Syntax: Multiply(<first bucket>, <second bucket>, <bucket>)
Example: Multiply(0, 1, 2);
Note: The value is placed into the bucket

Divide

Descriptions: Divides two bucket values.
Syntax: Divides(<first bucket>, <second bucket>, <bucket>)
Example: Divides(0, 1, 2);
Note: The value is placed into the bucket

GT

Description: Compares two bucket values for GreaterThan.
Syntax: GT(<first bucket>, <second bucket>, <bucket>)
Example: GT(0, 1, 2)
Note: 1 is placed in bucket if true;
Note: 0 is placed in bucket if false.

Note: The value is placed into the bucket

LT

Description: Compares two bucket values for LessThan.
Syntax: LT(<first bucket>, <second bucket>, <bucket>)
Example: LT(0, 1, 2)
Note: 1 is placed in bucket if true;
Note: 0 is placed in bucket if false.
Note: The value is placed into the bucket
Note: The value is placed into the bucket

GTE

Description: Compares two bucket values for GreaterThanOrEqual.
Syntax: GTE(<first bucket>, <second bucket>, <bucket>)
Example: GTE(0, 1, 2)
Note: 1 is placed in bucket if true;
Note: 0 is placed in bucket if false.
Note: The value is placed into the bucket

LTE

Description: Compares two bucket values for LessThanOrEqual.
Syntax: LTE(<first bucket>, <second bucket>, <bucket>)
Example: LTE(0, 1, 2)
Note: 1 is placed in bucket if true;
Note: 0 is placed in bucket if false.
Note: The value is placed into the bucket

OR

Description: Or's two bucket values.
Syntax: Or(<first value>, <second value>, <bucket>)
Example: Or(0, 1, 2);
Note: The value is placed into the bucket

AND

Description: And's two bucket values.
Syntax: And(<first value>, <second value>, <bucket>)
Example: And(0, 1, 2);
Note: The value is placed into the bucket

NOT

Description: Not's a bucket value.
Syntax: Not(<bucket>, <bucket>)
Example: Not(0, 1);
Note: The value is placed into the bucket

ABS

Description: Gives the Absolute Value of a Bucket Value

Syntax: Abs(<bucket>, <bucket>)
Example: Abs(0, 1);
Note: The value is placed into the bucket