SymbolView

SELECT S.SymbolID, S.Symbol, S.Name, C.Symbol AS CurrencySymbol

FROM HistoricalDataNew.dbo.Symbol AS S INNER JOIN

HistoricalDataNew.dbo.Currencies AS C ON S.CurrencyId = C.CurrencyId

SymbolDividends

SELECT DividendAmount, SymbolID, TradeDate

FROM HistoricalDataNew.dbo.Dividend

TradeSybolInformation

SELECT SymbolID, TradeDate, TradeIndex

FROM HistoricalDataNew.dbo.IndexData

UNION

SELECT SymbolID, TradeDate, CAST(TradeOpen AS money) AS TradeIndex

FROM HistoricalDataNew.dbo.StockData

getMaxMinGainForSymbolInDateInterval

USE [InvestDB]

GO

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

CREATE FUNCTION [dbo].[getMaxMinGainForSymbolInDateInterval](@dateFrom datetime, @dateTo datetime, @symbolId int)

RETURNS

@report TABLE

(

TradeDate datetime, Price MONEY, Dividends MONEY

)

AS BEGIN

DECLARE @tab TABLE(TradeDate datetime, Price MONEY, Dividends MONEY)

INSERT INTO @tab SELECT DISTINCT tr.TradeDate, tr.TradeIndex AS Price, ISNULL( (

SELECT SUM(d.DividendAmount)

FROM SymbolDividends d

WHERE d.SymbolId = tr.SymbolId AND d.SymbolID = @symbolId AND

d.TradeDate = tr.TradeDate ),0) AS Dividends

FROM TradeSybolInformation tr

WHERE tr.SymbolID = @symbolId AND tr.TradeDate >= @dateFrom AND tr.TradeDate <= @dateTo

ORDER BY tr.TradeDate

INSERT INTO @report SELECT TOP 1 \* FROM @tab

WHERE Price + Dividends = (SELECT MAX(Price + Dividends) FROM @tab)

INSERT INTO @report SELECT TOP 1 \* FROM @tab

WHERE Price + Dividends = (SELECT MIN(Price + Dividends) FROM @tab)

RETURN

END

getPriceDividendForSymbolInDateInterval

USE [InvestDB]

GO

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

CREATE FUNCTION [dbo].[getPriceDividendForSymbolInDateInterval](@dateFrom datetime, @dateTo datetime, @symbolId int)

RETURNS

@report TABLE

(

TradeDate datetime, Price MONEY, Dividends MONEY

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SELECT SUM(d.DividendAmount)

FROM SymbolDividends d

WHERE d.SymbolId = tr.SymbolId AND d.SymbolID = @symbolId AND

d.TradeDate = tr.TradeDate ),0) AS Dividends

FROM TradeSybolInformation tr

WHERE tr.SymbolID = @symbolId AND tr.TradeDate >= @dateFrom AND tr.TradeDate <= @dateTo

ORDER BY tr.TradeDate

RETURN

END

USE [InvestDB]

GO

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

CREATE FUNCTION [dbo].[getMaxMinGainForSymbolInDateInterval](@dateFrom datetime, @dateTo datetime, @symbolId int)

RETURNS

@report TABLE

(

TradeDate datetime, Price MONEY, Dividends MONEY

)

AS BEGIN

DECLARE @tab TABLE(TradeDate datetime, Price MONEY, Dividends MONEY)

INSERT INTO @tab SELECT \* FROM getPriceDividendForSymbolInDateInterval(@dateFrom, @dateTo, @symbolId)

INSERT INTO @report SELECT TOP 1 \* FROM @tab

WHERE Price + Dividends = (SELECT MAX(Price + Dividends) FROM @tab)

INSERT INTO @report SELECT TOP 1 \* FROM @tab

WHERE Price + Dividends = (SELECT MIN(Price + Dividends) FROM @tab)

RETURN

END