Answer on Question #45617, Programming, C#

Problem.

hey i want to have google's stock value as it updates in a c# console application how can i do this.

Solution.

You may use Yahoo Finance API. The url

http://download.finance.yahoo.com/d/quotes.csv?s=GOOG&f=sabd1t1

will return information in the csv table.

- http://quote.yahoo.com/d/quotes.csv? – the default URL to get the information;
- 's=' – stock symbols separated by "+";
- & – to join the string;
- 'f=' – special tags.

Tags provided by Yahoo! Finance:

A	Ask	a2	Average Daily Volume	a5	Ask Size
B	Bid	b2	Ask (Real-time)	b3	Bid (Real-time)
b4	Book Value	b6	Bid Size	c	Change & Percent Change
c1	Change	c3	Commission	c6	Change (Real-time)
c8	After Hours Change (Real-time)	d	Dividend/Share	d1	Last Trade Date
d2	Trade Date	e	Earnings/Share	e1	Error Indication (returned for symbol changed / invalid)
e7	EPS Estimate Current Year	e8	EPS Estimate Next Year	e9	EPS Estimate Next Quarter
f6	Float Shares	g	Day's Low	h	Day's High
J	52-week Low	k	52-week High	g1	Holdings Gain Percent
g3	Annualized Gain	g4	Holdings Gain	g5	Holdings Gain Percent (Real-time)
g6	Holdings Gain (Real-time)	i	More Info	i5	Order Book (Real-time)
j1	Market Capitalization	j3	Market Cap (Real-time)	j4	EBITDA
j5	Change From 52-week Low	j6	Percent Change From 52-week Low	k1	Last Trade (Real-time) With Time
k2	Change Percent (Real-time)	k3	Last Trade Size	k4	Change From 52-week High
k5	Percebt Change From 52-week High	l	Last Trade (With Time)	l1	Last Trade (Price Only)
l2	High Limit	l3	Low Limit	m	Day's Range
m2	Day's Range (Real-time)	m3	50-day Moving Average	m4	200-day Moving Average
m5	Change From 200-day Moving Average	m6	Percent Change From 200-day Moving Average	m7	Change From 50-day Moving Average
m8	Percent Change From 50-day Moving Average	n	Name	n4	Notes
O	Open	p	Previous Close	p1	Price Paid
p2	Change in Percent	p5	Price/Sales	p6	Price/Book
Q	Ex-Dividend Date	r	P/E Ratio	r1	Dividend Pay Date
r2	P/E Ratio (Real-time)	r5	PEG Ratio	r6	Price/EPS Estimate Current Year
r7	Price/EPS Estimate Next Year	s	Symbol	s1	Shares Owned

s7	Short Ratio	t1	Last Trade Time	t6	Trade Links
t7	Ticker Trend	t8	1 yr Target Price	v	Volume/td>
v1	Holdings Value	v7	Holdings Value (Real-time)/td>	w	52-week Range
w1	Day's Value Change	w4	Day's Value Change (Real-time)	x	Stock Exchange
Y	Dividend Yield				

I included a simple example.

Code

```csharp
using System;
using System.Net;

class Program
{
    static void Main(string[] args)
    {
        // Dowload information (Yahoo Finance API)
        WebClient client = new WebClient();
        string downloadString =
client.DownloadString("http://download.finance.yahoo.com/d/quotes.csv?s=GOOG&f=sabd1t1");

        // String output
        string[] split = downloadString.Split(new Char[] {','});
        foreach (string s in split)
        {
            Console.WriteLine(s);
        }
    }
}
```

Result