

VBA Homework

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SMU Bootcamp

Purpose:

You are well on your way to becoming a programmer and Excel master! In this homework assignment you will use VBA scripting to analyze real stock market data. Depending on your comfort level with VBA, you may choose to challenge yourself with a few of the challenge tasks.

Challenges:

The challenge with this exercise was figuring out how to code in VBA and tell the program to run throughout all sheets in the entire file.

Trends Discovered:

There was a greater number of stocks that were positive than negative.

Screenshots:

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1	<ticker>	<date>	<open>	<high>	<low>	<close>	<vol>		Ticker	Yearly Change	Percent Change	Total Stock Volume			Ticker	Value	
2	A	20160101	41.81	41.81	41.81	41.81	0		A	3.75	8.969146137	528576200		Greatest Increase	AKS	355.803571	
3	A	20160104	41.06	41.19	40.34	40.69	3287300		AA	-1.53	-5.167173252	5208239000		Greatest Decrease	ADPT	-85.986794	
4	A	20160105	40.73	40.95	40.34	40.55	2587200		AAC	-11.82	-62.01469045	57179800		Greatest Volume	AA	5208239000	
5	A	20160106	40.24	40.99	40.05	40.73	2103600		AAN	9.6	42.87628406	184809000					
6	A	20160107	40.14	40.15	38.81	39	3504300		AAP	18.61	12.36462694	262665300					
7	A	20160108	39.22	39.71	38.47	38.59	3736700		AAT	4.73	12.33376793	49026400					
8	A	20160111	38.71	38.9	37.41	37.94	2818600		AAV	1.67	32.87401575	27358200					
9	A	20160112	38.43	38.58	37.65	38.19	1989300		AB	-0.4	-1.677148847	64736300					
10	A	20160113	38.35	38.47	36.72	36.86	4206600		ABB	3.34	18.83812747	503779400					
11	A	20160114	36.94	37.88	36.55	37.61	2893300		ABBV	3.38	5.705604321	2034231800					
12	A	20160115	36.67	37.56	36.55	37.11	2994300		ABC	-25.53	-24.60707743	647239900					
13	A	20160118	37.11	37.11	37.11	37.11	0		ABEV	0.45	10.0896861	4199335100					
14	A	20160119	37.64	37.92	36.79	37.2	2506500		ABG	-5.74	-8.511269276	89828200					
15	A	20160120	36.68	37.61	36.13	37.26	2469000		ABM	12.37	43.44924482	79787400					
16	A	20160121	37.35	37.83	36.81	37.23	2298300		ABR	0.31	4.335664336	27556100					
17	A	20160122	37.91	38.18	37.58	37.98	1834400		ABR-A	0.57	2.326530612	792500					
18	A	20160125	37.4	38.03	37.4	37.61	1831200		ABR-B	2.02	8.953900709	795300					
19	A	20160126	37.89	37.96	37.36	37.51	1755000		ABR-C	0.18	0.715137068	521300					
20	A	20160127	37.39	37.92	36.81	37.05	1479400		ABRN	0.7	2.845528455	1759800					
21	A	20160128	37.27	37.27	36.01	36.11	3479400		ABT	-6.5	-14.47339123	2298099600					
22	A	20160129	36.44	37.69	36.31	37.65	2959800		ABX	8.6	116.5311653	4996990800					
23	A	20160201	37.37	37.95	37	37.69	2666500		AC	2.35	7.704918033	6530000					
24	A	20160202	37.18	37.55	36.95	37.07	1742300		ACC	8.43	20.39187228	258457600					
25	A	20160203	37.27	37.36	36.29	37.19	2128400		ACCO	5.92	83.02945302	163653100					
26	A	20160204	37.15	37.79	36.97	37.42	2833400		ACH	1.97	23.90776699	11563400					
27	A	20160205	37.26	37.31	35.83	36.04	4424600		ACM	6.33	21.07892108	296759000					
28	A	20160208	35.61	35.78	34.39	34.8	3888600		ACN	12.63	12.0861244	650155300					
29	A	20160209	34.21	35.77	34.15	35.37	3464400		ACP	2.08	18.32599119	21179200					
30	A	20160210	35.63	36.73	35.53	35.85	3169900		ACRE	2.29	20.01748252	35062000					
31	A	20160211	35.12	35.61	34.94	35.33	3224000		ACV	0.62	3.414096916	12734300					
32	A	20160212	35.84	36.23	35.52	36.22	3923600		ADC	12.06	35.48102383	51966400					
33	A	20160215	36.22	36.22	36.22	36.22	0		ADM	8.97	24.45474373	909133500					
34	A	20160216	36.72	37.17	36.4	37.08	2903600		ADNT	11.6	24.68085106	101270800					
35	A	20160217	35.22	38.13	34.75	37.87	5382300		ADPT	-46.88	-85.98679384	181359500					
36	A	20160218	37.73	37.96	37.09	37.19	2231400		ADS	-48.01	-17.38077159	198979100					
37	A	20160219	36.98	37.6	36.85	37.44	2339400		ADSW	-1.72	8.390243902	34703200					
38	A	20160222	37.88	38.19	37.78	38.03	1792900		ADX	-0.12	-0.935307872	44199400					
39	A	20160223	37.64	37.96	36.95	37.17	1282200		AEB	-1.6	-6.630750104	5311800					
40	A	20160224	36.65	37.7	36.47	37.48	1456000		AED	-0.3	-2.305003337	5033600					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	<ticker>	<date>	<open>	<high>	<low>	<close>	<vol>		Ticker	Yearly Change	Percent Change	Total Stock Volume			Ticker	Value
2	B	20160101	35.39	35.39	35.39	35.39	0		B	12.03	33.99265329	56633600			Greatest Increase	BAS 1219.02985
3	B	20160104	34.67	35.12	34.06	34.31	277300		BA	11.09	7.669963345	1111660700			Greatest Decrease	BCEI -80.645161
4	B	20160105	34.33	34.39	33.87	34.12	204300		BABA	6.54	8.047249908	3742094000			Greatest Volume	BAC 2.7429E+10
5	B	20160106	33.59	33.92	33.5	33.86	229000		BAC	5.27	31.31313131	27428529600				
6	B	20160107	33.16	33.34	32.57	32.64	234400		BAC-A	-0.23	-0.915240748	43727700				
7	B	20160108	32.85	32.85	32.19	32.26	229400		BAC-C	-0.06	-0.23715415	43552600				
8	B	20160111	32.48	32.65	31.71	32.56	152900		BAC-D	-0.74	-2.864885792	12479800				
9	B	20160112	33.53	33.93	32.34	32.98	303200		BAC-E	-0.56	-2.50111657	15098400				
10	B	20160113	33.15	33.32	31.53	31.65	228100		BAC-I	-1.44	-5.381165919	5943700				
11	B	20160114	31.86	32.47	31.22	32.1	196400		BAC-L	73.53	6.725694476	2481300				
12	B	20160115	31.06	31.6	30.85	31.49	312900		BAC-W	-1.03	-3.851907255	23599700				
13	B	20160118	31.49	31.49	31.49	31.49	0		BAC-Y	-1.2	-4.491017964	25334000				
14	B	20160119	31.87	31.87	30.84	31.27	203400		BACA	4.13	70.96219931	165623300				
15	B	20160120	30.85	31.79	30.43	31.38	210200		BAC.B	0.69	255.5555556	54083700				
16	B	20160121	31.42	31.53	30.79	30.87	222800		BAF	-0.52	-3.51826793	6221300				
17	B	20160122	31.33	31.94	31.03	31.54	138200		BAH	5.22	16.92058347	263732400				
18	B	20160125	31.36	31.48	30.64	30.74	139800		BAK	7.67	56.64697194	137314000				
19	B	20160126	30.98	31.69	30.98	31.6	199000		BAM	1.48	4.693942277	285278900				
20	B	20160127	31.45	31.94	31.17	31.35	173200		BAN-C	-0.76	-2.859292701	930500				
21	B	20160128	31.7	31.99	31.2	31.41	85300		BAN-D	-0.58	-2.234206471	3546200				
22	B	20160129	31.49	32.58	31.4	32.51	309200		BAN-E	0.12	0.484848485	7550200				
23	B	20160201	32.23	32.41	31.8	32.2	153100		BANC	2.73	18.67305062	247132700				
24	B	20160202	31.82	31.85	31.11	31.17	183900		BAP	60.54	62.20715166	90719600				
25	B	20160203	31.52	31.52	30.65	31.22	223800		BAS	32.67	1219.029851	601319000				
26	B	20160204	31.18	32.08	31.05	31.43	369300		BAX	6.19	16.22542595	1488815900				
27	B	20160205	31.27	31.47	30.95	30.98	455000		BBD	3.9	81.08108108	3423802200				
28	B	20160208	30.67	31.21	30.44	30.99	346200		BBDO	3.63	69.54022989	931600				
29	B	20160209	30.58	31.15	30.55	30.96	267700		BBF	-0.59	-4.04109589	5674200				
30	B	20160210	31.08	31.2	30.69	30.71	325900		BBG	3.06	77.86259542	521616400				
31	B	20160211	30.31	30.86	30.07	30.69	223800		BBK	-0.88	-5.452292441	5780600				
32	B	20160212	30.88	31.23	30.2	30.5	480800		BBL	8.81	38.89624724	692412200				
33	B	20160215	30.5	30.5	30.5	30.5	0		BBN	0.62	2.955195424	59273400				
34	B	20160216	30.82	31.21	30.52	31	600200		BBT	9.21	24.35863528	1263676700				
35	B	20160217	31.2	31.29	30.82	30.82	561500		BBT-D	-1.89	-7.153671461	9218200				
36	B	20160218	30.84	31.86	30.73	31.75	1074400		BBT-E	-2.36	-9.038682497	20186600				
37	B	20160219	32.59	34.75	32.59	33.96	841800		BBT-F	-2.34	-9.322709163	8286500				
38	B	20160222	34.37	34.85	33.64	33.79	713200		BBT-G	-2.45	-9.702970297	8763300				
39	B	20160223	33.6	33.83	33.07	33.53	357900		BBT-H	-0.76	-3.033932136	28231300				
40	B	20160224	33.13	34.13	33.81	34.34	305600		BBU	4.77	12.72151066	6023200				

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1	<ticker>	<date>	<open>	<high>	<low>	<close>	<vol>		Ticker	Yearly Change	Percent Change	Total Stock Volume			Ticker	Value
2	C	20160101	51.75	51.75	51.75	51.75	0		C	7.68	14.84057971	5606480500			Greatest Increase	CBO 1800
3	C	20160104	50.75	51.19	50.19	51.13	23440100		C-C	-1.14	-4.393063584	14039900			Greatest Decrease	CGG -84.21875
4	C	20160105	51.54	51.61	50.41	50.86	17444900		C-J	-0.03	-0.107104605	27549800			Greatest Volume	CHK 1.1706E+10
5	C	20160106	50.1	50.58	49.76	50.12	22501800		C-K	-0.51	-1.830581479	37907700				
6	C	20160107	49.07	49.38	47.5	47.56	37902900		C-L	-1.29	-4.696032035	11071400				
7	C	20160108	48.73	48.74	46.03	46.13	30642900		C-N	-0.17	-0.65409773	48171600				
8	C	20160111	46.56	46.99	45.93	46.85	26284500		C-P	-0.78	-2.755210173	2123700				
9	C	20160112	47.49	47.5	46.27	46.88	26309900		C-S	0.65	2.636916836	50086600				
10	C	20160113	47.32	47.35	44.97	45.19	27925800		CA	-0.03	-16.66666667	158592500				
11	C	20160114	45.42	45.81	44.56	45.38	30129500		CAA	-3.91	-10.31118143	373575200				
12	C	20160115	42.51	43.69	41.85	42.47	52452500		CAB	11.82	25.29424353	237011500				
13	C	20160118	42.47	42.47	42.47	42.47	0		CABO	188.07	43.36807637	9902800				
14	C	20160119	42.85	43.12	41.66	41.94	39032700		CACI	31.52	33.97283897	48164400				
15	C	20160120	40.52	41.03	39.44	40.49	49905400		CAE	2.88	25.96934175	18387100				
16	C	20160121	40.51	41.39	40.03	40.15	34976700		CAF	-2.92	-14.66599699	40320700				
17	C	20160122	41.05	41.35	40.82	41.06	30187100		CAG	-2.61	-6.190702087	771793500				
18	C	20160125	40.81	40.96	39.45	39.55	31924000		CAH	-17.3	-19.37941078	628679300				
19	C	20160126	39.6	40.79	39.5	40.5	23508400		CAI	-1.41	-13.98809524	25173400				
20	C	20160127	40.37	41.69	40.23	40.56	28274700		CAJ	-1.99	-6.604712911	73608500				
21	C	20160128	41.2	41.39	40.07	40.39	23212800		CAL	6	22.37136465	83017600				
22	C	20160129	40.8	42.59	40.78	42.58	36107600		CALX	-0.17	-2.160101652	48517800				
23	C	20160201	42.36	42.83	42	42.48	22860300		CAPL	-0.73	-2.816358025	20861700				
24	C	20160202	41.86	41.86	40.28	40.42	31460900		CAT	24.78	36.46262507	1383911100				
25	C	20160203	40.65	40.71	38.04	40.36	43680200		CATO	-6.74	-18.30526888	36666000				
26	C	20160204	40.11	41.57	40.05	40.79	26697300		CB	-0.52	-0.392038601	447803800				
27	C	20160205	41.02	41.44	39.55	39.86	23599600		CBA	0.99	12.08791209	55111900				
28	C	20160208	39.14	39.18	37.18	37.81	35237100		CBB	4.35	24.16666667	179058000				
29	C	20160209	36.93	38.07	36.68	37.51	39767200		CBB-B	0.9	1.874609456	984000				
30	C	20160210	38.5	39.09	37.38	37.41	33390000		CBD	6.03	57.31939163	201832300				
31	C	20160211	36	36.16	34.52	34.98	48945500		CBG	-3.09	-8.935801041	735275000				
32	C	20160212	36.03	37.87	35.98	37.54	38120300		CBI	-7.24	-18.56886381	412542700				
33	C	20160215	37.54	37.54	37.54	37.54	0		CBK	0.69	41.81818182	87558500				
34	C	20160216	38.59	39.22	38.32	38.89	31802500		CBL	-0.87	-7.033144705	593562600				
35	C	20160217	39.71	40.29	39.5	39.78	29133500		CBL-D	-0.84	-3.321470937	12131500				
36	C	20160218	39.93	39.99	38.62	38.92	24107600		CBL-E	-1.98	-7.935871743	8890800				
37	C	20160219	38.82	39.06	38.06	38.99	22425900		CBM	6.86	14.5678488	104409500				
38	C	20160222	39.67	39.97	39.3	39.52	22028500		CBO	18	1800	373700				
39	C	20160223	39.12	39.19	38.04	38.22	26234100		CBPX	5.64	32.3024055	96353200				
40	C	20160224	37.44	38.11	36.63	38.00	35013200		CBP	-2.84	-8.05138106	131726000				

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1	<ticker>	<date>	<open>	<high>	<low>	<close>	<vol>		Ticker	Yearly Change	Percent Change	Total Stock Volume			Ticker	Value
2	D	20160101	67.64	67.64	67.64	67.64	0	D	8.95	13.23181549		721121300		Greatest Increase	DRD	230.625
3	D	20160104	66.97	67.51	66.33	67.47	3896700	DAC	-3.14	-55.75959933		17895900		Greatest Decrease	DYN.W	-91.489362
4	D	20160105	67.29	68.12	66.25	68.05	2476000	DAL	-1.5	-2.959163543		2611801700		Greatest Volume	DNR	3189586900
5	D	20160106	67.57	68.87	67.33	68.47	2670700	DAN	5.18	37.53623188		481995200				
6	D	20160107	67.67	68.71	67.6	68.51	4011800	DAR	2.39	22.71863118		409384800				
7	D	20160108	68.48	69.9	68.38	69.52	5391400	DATA	-52.07	-55.2642751		411703100				
8	D	20160111	69.59	69.93	69.31	69.41	3989700	DB	-6.05	-25.05175983		1560765100				
9	D	20160112	69.64	69.88	68.51	68.9	4318300	DBD	-4.94	-16.41741442		214045800				
10	D	20160113	69.04	69.49	68.86	69.02	3646400	DBL	-2.21	-8.73172659		22900200				
11	D	20160114	68.97	69.97	68.85	69.67	3265900	DCA	0.66	17.32283465		30151100				
12	D	20160115	69	69.44	68.18	68.88	3964100	DCI	13.42	46.82484299		209073500				
13	D	20160118	68.88	68.88	68.88	68.88	0	DCM	2.25	10.97560976		48031400				
14	D	20160119	69.23	70.06	68.69	69.9	3037000	DCO	9.34	57.58323058		13701600				
15	D	20160120	69.45	69.75	67.94	68.73	3773700	DCT	10.51	28.12416377		218363600				
16	D	20160121	69.05	69.05	67.97	68.49	2268600	DCUC	1.98	4.118136439		21213100				
17	D	20160122	69.14	69.83	68.52	69.76	2117900	DCUD	-0.8	-1.556420233		18748400				
18	D	20160125	69.79	70.14	69.27	69.56	2287300	DO	6.8	10.21021021		857358000				
19	D	20160126	69.58	70.56	69.44	69.72	2075800	DO-A	9.5	12.17948718		353800				
20	D	20160127	69.61	70.12	69.17	69.71	2320100	DO-B	3.2	3.302373581		327700				
21	D	20160128	69.7	71.51	69.43	70.94	3579700	DDC	-0.55	-5.376344086		87305900				
22	D	20160129	71.48	72.2	71.03	72.17	3498500	DDD	4.6	52.93440736		850322300				
23	D	20160201	70.27	71.42	69.94	70.18	10798500	DDE	0.06	6.18556701		6445400				
24	D	20160202	69.24	70.11	68.62	69.89	6008700	DDF	1.16	13.15192744		5107400				
25	D	20160203	70.05	70.42	69.28	69.93	5527600	DDR	-1.57	-9.32304038		748520000				
26	D	20160204	70.07	71.15	69.62	70.43	4016000	DDR-J	-0.48	-1.904761905		4997700				
27	D	20160205	70.34	71.43	69.69	71.06	3758800	DDR-K	-1.27	-5.059760956		4569400				
28	D	20160208	70.13	70.89	69.08	69.49	5684700	DDS	-3.02	-4.59595191		146040700				
29	D	20160209	69.49	70.87	69.16	70.43	4020400	DDT	-0.88	-3.273809524		1713200				
30	D	20160210	70.18	70.74	69.05	70.29	3266500	DE	26.77	35.09899043		829664300				
31	D	20160211	69.95	70.49	69.11	69.21	2868600	DEA	2.84	16.53084983		50281000				
32	D	20160212	69.34	69.64	68.45	68.94	2942500	DECK	8.19	17.35169492		186964100				
33	D	20160215	68.94	68.94	68.94	68.94	0	DEI	5.38	17.25465042		222177000				
34	D	20160216	69.49	69.56	68.56	69.15	2385400	DEL	18.2	30.91557669		10797100				
35	D	20160217	69.46	69.83	68.8	69.77	2583900	DEO	-5.13	-4.703401485		182238100				
36	D	20160218	69.31	70.21	69.19	69.75	6190800	DEX	0.76	8.128342246		17958200				
37	D	20160219	69.55	69.77	69	69.46	4156500	DF	4.63	26.99708455		535759000				
38	D	20160222	69.78	70.78	69.62	70.74	2529800	DFIN	-5.19	-18.42385517		34169200				
39	D	20160223	70.39	71.19	70.27	70.88	2559100	DFP	0.87	3.799126638		19567800				
40	D	20160224	70.03	71.3	70.33	71.33	2483600	DFS	18.47	34.44610333		203100200				

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	<ticker>	<date>	<open>	<high>	<low>	<close>	<vol>		Ticker	Yearly Change	Percent Change	Total Stock Volume			Ticker	Value
2	E	20160101	29.8	29.8	29.8	29.8	0	E	2.44	8.187919463		117078300		Greatest Increase	EBR	404.411765
3	E	20160104	29.39	29.56	28.89	29.42	431800	EAB	-3.23	-12.92		6576200		Greatest Decrease	EMG	-67.208672
4	E	20160105	29.22	29.28	28.85	29.19	250200	EAE	-3.65	-14.80129765		2815000		Greatest Volume	ECA	4105117800
5	E	20160106	28.28	28.47	28.18	28.47	199900	EAI	-3.68	-14.80885312		15266500				
6	E	20160107	27.71	28.59	27.7	28.2	395600	EARN	0.66	5.344129555		9501100				
7	E	20160108	28.07	28.13	27.55	27.55	331500	EAT	1.58	3.295099062		332615500				
8	E	20160111	28.14	28.16	27.41	27.65	329400	EBF	-1.9	-9.87012987		40526700				
9	E	20160112	28	28.09	27.39	27.73	662500	EBR	5.5	404.4117647		64003200				
10	E	20160113	27.98	28.25	27.45	27.47	421100	EBR.B	5.3	205.4263566		16496200				
11	E	20160114	28.09	28.85	27.97	28.81	260800	EBS	-7.17	-17.92051987		139423100				
12	E	20160115	27.72	27.93	27.31	27.52	242100	EC	2.04	29.10128388		293810700				
13	E	20160118	27.52	27.52	27.52	27.52	0	ECA	6.65	130.6483301		4105117800				
14	E	20160119	27.6	27.69	27.14	27.37	406700	ECC	0.28	1.704199635		8697500				
15	E	20160120	26.87	27.06	26.22	26.82	478100	ECCA	0.35	1.378495471		975900				
16	E	20160121	26.84	27.55	26.57	27.46	407700	ECCB	0.15	0.592885375		565300				
17	E	20160122	28.44	28.48	28.02	28.44	302700	ECCZ	0.85	3.420523139		2115900				
18	E	20160125	28	28.16	27.44	27.64	419100	ECL	2.84	2.482951565		284477200				
19	E	20160126	28.03	28.62	27.79	28.48	195300	ECOM	0.5	3.610108303		30689600				
20	E	20160127	28.23	28.75	28.15	28.36	323000	ECR	0.85	46.7032967		327713100				
21	E	20160128	29.39	29.4	28.47	29	371500	ECT	0.64	42.38410596		15936300				
22	E	20160129	28.9	29.15	28.49	28.95	387000	ED	9.41	14.64135678		508875300				
23	E	20160201	28.58	28.78	28.36	28.75	331400	EDD	0.37	5.441176471		75135600				
24	E	20160202	27.53	27.59	27.06	27.17	269400	EDE	6.02	21.44638404		73595300				
25	E	20160203	27.55	28.18	26.93	28.15	625500	EDF	2.59	21.49377593		23705000				
26	E	20160204	28.43	28.99	28.4	28.65	289400	EDI	2.38	20.93227792		17030100				
27	E	20160205	28.13	28.24	27.82	27.87	252400	EDN	10.32	58.8705077		13321700				
28	E	20160208	27.21	27.25	26.87	27.18	555000	EDR	4.42	11.66842661		180186400				
29	E	20160209	26.58	26.77	26.02	26.22	588700	EDU	10.73	34.20465413		365906100				
30	E	20160210	25.74	26.31	25.64	25.97	493600	EE	8	20.77922078		52999300				
31	E	20160211	25.26	25.5	24.73	25	532300	EEA	-0.34	-4.218362283		3756200				
32	E	20160212	25.78	26.25	25.59	26.18	295000	EED	2.41	10.44646727		321786400				
33	E	20160215	26.18	26.18	26.18	26.18	0	EEQ	3.57	15.98746082		72358700				
34	E	20160216	26.72	26.72	26.07	26.4	511700	EFC	-1.26	-7.508939213		20598000				
35	E	20160217	26.7	27.5	26.67	27.39	325300	EFF	2.99	21.13074205		7592800				
36	E	20160218	27.13	27.16	26.5	26.5	200800	EFR	2.32	18.69460113		28790000				
37	E	20160219	26.45	26.65	26.28	26.65	451600	EFT	2.26	17.87974684		32543700				
38	E	20160222	27	27.47	27	27.31	331900	EFX	6.86	6.15964802		191767100				
39	E	20160223	27.12	27.23	26.54	26.54	328600	EGF	-0.46	-3.36996337		3314200				
40	E	20160224	26.03	26.43	26.36	26.33	200500	EGF	1.08	6.003084133		6145800				

O1	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
	<ticker>	<date>	<open>	<high>	<low>	<close>	<vol>		Yearly Change	Percent Change	Total Stock Volume						
1	F	20160101	14.09	14.09	14.09	14.09	0	F	-3.36	-13.91057488	9032398200		Greatest Increase	FMSA	401.702128		
2	F	20160104	13.87	14	13.75	13.97	38618500	FAC	-1.14	-56.30252101	7133900		Greatest Decrease	FIT	-75.261913		
3	F	20160105	13.97	14	13.51	13.72	50267500	FAF	0.73	2.033426184	191366100		Greatest Volume	FCX	1.0511E+10		
4	F	20160106	13.56	13.56	13.05	13.11	61285400	FAM	1.09	10.16781836	9892100						
5	F	20160107	12.9	13.04	12.6	12.7	57846600	FBC	3.83	16.57291216	45608200						
6	F	20160108	13.05	13.1	12.5	12.54	46199400	FBHS	-2.04	-3.675675676	378644600						
7	F	20160111	12.8	12.82	12.55	12.77	41269100	FBK	4.8	22.69503546	10334400						
8	F	20160112	13.03	13.04	12.58	12.85	50983600	FBP	3.36	103.3846154	236500500						
9	F	20160113	12.73	12.84	12.06	12.2	102174600	FBR	-3.08	-24.27107959	414224100						
10	F	20160114	12.19	12.31	11.82	12.19	62938600	FC	3.41	20.37037037	11467300						
11	F	20160115	11.81	12	11.58	11.97	69029900	FCAU	-4.87	-34.81057898	1831803100						
12	F	20160118	11.97	11.97	11.97	11.97	0	FCB	11.91	33.2774518	59370400						
13	F	20160119	12.15	12.16	11.82	11.95	41142600	FCE.A	-1.09	-4.970360237	400064100						
14	F	20160120	11.79	12.07	11.47	11.9	59879000	FCE.B	5.06	23.13671696	392800						
15	F	20160121	12.01	12.28	11.86	12.01	48841700	FCF	5.11	56.33958104	71437800						
16	F	20160122	12.26	12.36	12.03	12.14	44537800	FCFS	-5.49	-10.45913507	21569900						
17	F	20160125	12.3	12.31	11.93	11.98	96738500	FCH	0.71	9.726027397	303898200						
18	F	20160126	12.14	12.29	12.04	12.26	45969700	FCH.A	-0.24	-0.954274354	4592200						
19	F	20160127	12.05	12.1	11.73	11.85	42064200	FCN	10.42	30.06347374	60545400						
20	F	20160128	12.03	12.06	11.2	11.71	75699700	FCPT	-3.64	-15.06622517	151872600						
21	F	20160129	11.83	11.94	11.65	11.94	52137300	FCT	1.48	11.98380567	17457900						
22	F	20160201	11.92	12.14	11.73	12.07	37301100	FCX	6.42	94.83013294	10511104500						
23	F	20160202	11.95	12.08	11.45	11.51	55649100	FDC	-1.83	-11.42322097	1200612100						
24	F	20160203	11.67	11.68	11.02	11.46	69454500	FDEU	-1.64	-9.557109557	20368300						
25	F	20160204	11.37	11.69	11.26	11.53	40223100	FDP	21.75	55.94135802	58711300						
26	F	20160205	11.52	11.7	11.42	11.45	33322100	FDS	0.86	0.529002891	83300100						
27	F	20160208	11.39	11.69	11.25	11.59	45274500	FDX	37.21	24.97483053	430731000						
28	F	20160209	11.47	11.61	11.22	11.35	48956700	FE	-0.76	-2.395209581	1063377800						
29	F	20160210	11.46	11.57	11.33	11.34	38160200	FEI	2.92	22.08774584	48111300						
30	F	20160211	11.17	11.43	11.1	11.17	45801300	FELP	2.94	83.28611898	45872300						
31	F	20160212	11.25	11.58	11.18	11.55	28084900	FENG	-2.84	-47.84053156	26403100						
32	F	20160215	11.55	11.55	11.55	11.55	0	FEO	0.83	6.355283308	5169500						
33	F	20160216	11.75	11.88	11.53	11.87	41072000	FET	9.54	76.56500803	264377900						
34	F	20160217	11.99	12.3	11.98	12.27	37766400	FF	0.4	2.962962963	33506300						
35	F	20160218	12.4	12.44	12.12	12.26	28784700	FFA	0.31	2.348484848	13558700						
36	F	20160219	12.19	12.22	12.01	12.1	26479300	FFC	-1.21	-6.034912718	33273000						
37	F	20160222	12.24	12.56	12.24	12.56	33549700	FFG	14.51	22.80012571	8940500						
38	F	20160223	12.53	12.65	12.42	12.42	30136700	FBG	1.49	26.75044883	10045900						
39	F	20160224	12.11	12.11	11.6	12.08	50838300	FCI	1.5	6.583537818	54125400						

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
	<ticker>	<date>	<open>	<high>	<low>	<close>	<vol>		Yearly Change	Percent Change	Total Stock Volume						
1	P	20140101	26.6	26.6	26.6	26.6	0	P	-8.77	-32.96992481	2087326500		Greatest Increase	PANW	113.276492		
2	P	20140102	26.46	27.23	26.26	26.76	6227100	PAA	-0.45	-0.869229283	265764400		Greatest Decrease	PWE	-75.119617		
3	P	20140103	26.9	27.69	26.77	27.59	6102100	PAC	9.98	18.75234874	15869800		Greatest Volume	PBR	7733747800		
4	P	20140106	29.1	32.45	29	31.49	29006500	PACD	-68.2	-59.5113438	143918500						
5	P	20140107	31.22	33.7	31.2	32.44	20493000	PAG	1.91	4.050042409	88908800						
6	P	20140108	32.66	34.46	32.6	32.7	18484900	PAGP	-3.27	-4.071722077	259521900						
7	P	20140109	32.88	33.47	31.94	32.78	10140000	PAH	8.22	54.8	173849700						
8	P	20140110	32.84	33.53	32.15	33.47	8242700	PAI	0.27	2.048558422	5172200						
9	P	20140113	33.36	34.07	32.06	32.53	9779100	PAM	4.78	91.22137405	56387900						
10	P	20140114	33.25	34.41	32.95	34.13	8840400	PANW	65.1	113.2764921	452349800						
11	P	20140115	34.39	35.48	34.34	35.05	9958100	PAR	0.7	12.8404367	5169600						
12	P	20140116	34.99	36.3	34.64	35.74	7323000	PAY	10.38	38.70246085	405653900						
13	P	20140117	35.74	36.02	34.61	35.12	6073700	PAYC	8.43	47.09497207	27249800						
14	P	20140120	35.12	35.12	35.12	35.12	0	PB	-8.63	-12.66761319	93218300						
15	P	20140121	35.67	35.99	34.54	35.01	5920400	PBA	1.18	3.34941811	57831200						
16	P	20140122	35.34	35.7	34.47	34.62	4626900	PBF	-4.82	-15.32104259	414276800						
17	P	20140123	34.72	34.87	33.57	34.64	4375000	PBFX	-6.83	-23.75	24815700						
18	P	20140124	34.58	34.58	33.37	33.55	5481100	PBH	-1.08	-3.016759777	87008100						
19	P	20140127	33.85	34.2	32.36	33.12	5644200	PBI	1.07	4.592274678	555659700						
20	P	20140128	33.55	34.05	33.33	33.94	4065700	PBI-B	2.19	8.949734369	7698900						
21	P	20140129	33.51	34.2	32.78	32.92	4881300	PBR	-6.48	-47.02467344	7733747800						
22	P	20140130	35.18	37.95	34.8	36.53	13030000	PBR.A	-7.11	-48.40027229	3233705500						
23	P	20140131	36.71	36.8	35.6	36.07	6497300	PBT	-3.31	-25.73872473	39823900						
24	P	20140203	36.68	37.73	34.39	34.98	10863900	PBYI	85.74	82.81657491	99964400						
25	P	20140204	35.97	36.03	34.77	35.8	5768500	PCF	-0.15	-1.81598063	10939400						
26	P	20140205	36	36.3	34.06	35.83	13650600	PCG	12.96	32.17477656	763105900						
27	P	20140206	33.18	34	30.93	32.23	22861000	PCI	-1.83	-8.140569395	142940300						
28	P	20140207	32.35	34.97	32.32	34.34	11224500	PCK	0.51	5.666666667	14983100						
29	P	20140210	34.04	35.1	33.36	34.75	10708200	PCM	-1	-8.583690987	7374500						
30	P	20140211	34.55	35.74	34.15	35.47	6840300	PCN	-0.69	-4.367088608	24848100						
31	P	20140212	35.61	36.41	35.2	35.64	6286600	PCQ	2.64	20.29208301	11206000						
32	P	20140213	35.14	36.22	34.9	36.16	7151900	PDI	1.61	5.526948163	58733900						
33	P	20140214	36.02	36.2	35.64	36.14	6301800	PDM	2.32	14.04358354	225620300						
34	P	20140217	36.14	36.14	36.14	36.14	0	PDS	-3.31	-35.32550694	570200300						
35	P	20140218	36	38.21	35.97	37.97	11029200	PDT	2.15	18.53448276	29148600						
36	P	20140219	37.77	37.89	36.69	37.09	6116700	PE	-6.54	-28.43049327	233848400						
37	P	20140220	37.26	38.17	36.83	37.5	4877700	PEB	14.87	48.3420026	89129900						
38	P	20140221	37.7	38.42	36.97	37.18	6016400	PEB-C	5.29	25.96956308	3085800						
39	P	20140222	37.23	37.23	36.26	37.26	4002300	PEP	0.37	30.34460113	931080300						

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	<ticker>	<date>	<open>	<high>	<low>	<close>	<vol>								Ticker	Volume
2	A	20160101	41.81	41.81	41.81	41.81	0		A	3.75	8.96914614	528576200		Greatest Increase	SD	11675
3	A	20160104	41.06	41.19	40.34	40.69	3287300		AA	-1.53	-5.1671733	5208239000		Greatest Decrease	DYN.W	-91.489362
4	A	20160105	40.73	40.95	40.34	40.55	2587200		AAC	-11.82	-62.01469	57179800		Greatest Volume	BAC	2.7429E+10
5	A	20160106	40.24	40.99	40.05	40.73	2103600		AAN	9.6	42.8762841	184809000				
6	A	20160107	40.14	40.15	38.81	39	3504300		AAP	18.61	12.3646269	262665300				
7	A	20160108	39.22	39.71	38.47	38.59	3736700		AAT	4.73	12.3337679	49026400				
8	A	20160111	38.71	38.9	37.41	37.94	2818600		AAV	1.67	32.8740157	27358200				
9	A	20160112	38.43	38.58	37.65	38.19	1989300		AB	-0.4	-1.6771488	64736300				
10	A	20160113	38.35	38.47	36.72	36.86	4206600		ABB	3.34	18.8381275	503779400				
11	A	20160114	36.94	37.88	36.55	37.61	2893300		ABBV	3.38	5.70560432	2034231800				
12	A	20160115	36.67	37.56	36.55	37.11	2994300		ABC	-25.52	-24.607077	647239900				
13	A	20160118	37.11	37.11	37.11	37.11	0		ABEV	0.45	10.0896861	4199335100				
14	A	20160119	37.64	37.92	36.79	37.2	2506500		ABG	-5.74	-8.5112693	89828200				
15	A	20160120	36.68	37.61	36.13	37.26	2469000		ABM	12.37	43.4492448	79787400				
16	A	20160121	37.35	37.83	36.81	37.23	2298300		ABR	0.31	4.33566434	27556100				
17	A	20160122	37.91	38.18	37.58	37.98	1834400		ABR-A	0.57	2.32653061	792500				
18	A	20160125	37.4	38.03	37.4	37.61	1831200		ABR-B	2.02	8.95390071	795300				
19	A	20160126	37.89	37.96	37.36	37.51	1755000		ABR-C	0.18	0.71513707	521300				
20	A	20160127	37.39	37.92	36.81	37.05	1479400		ABRN	0.7	2.84552846	1759800				
21	A	20160128	37.27	37.27	36.01	36.11	3479400		ABT	-6.5	-14.473391	2298099600				
22	A	20160129	36.44	37.69	36.31	37.65	2959800		ABX	8.6	116.531165	4996990800				
23	A	20160201	37.37	37.95	37	37.69	2666500		AC	2.35	7.70491803	6530000				
24	A	20160202	37.18	37.55	36.95	37.07	1742300		ACC	8.43	20.3918723	258457600				
25	A	20160203	37.27	37.36	36.29	37.19	2128400		ACCO	5.92	83.029453	163653100				
26	A	20160204	37.15	37.79	36.97	37.42	2833400		ACH	1.97	23.907767	11563400				
27	A	20160205	37.26	37.31	35.83	36.04	4424600		ACM	6.33	21.0789211	296759000				
28	A	20160208	35.61	35.78	34.39	34.8	3888600		ACN	12.63	12.0861244	650155300				
29	A	20160209	34.21	35.77	34.15	35.37	3464400		ACP	2.08	18.3259912	21179200				
30	A	20160210	35.63	36.73	35.53	35.85	3169900		ACRE	2.29	20.0174825	35062000				
31	A	20160211	35.12	35.61	34.94	35.33	3224000		ACV	0.62	3.41409692	12734300				
32	A	20160212	35.84	36.23	35.52	36.22	3923600		ADC	12.06	35.4810238	51966400				
33	A	20160215	36.22	36.22	36.22	36.22	0		ADM	8.97	24.4547437	909133500				
34	A	20160216	36.72	37.17	36.4	37.08	2903600		ADNT	11.6	24.6808511	101270800				
35	A	20160217	35.22	38.13	34.75	37.87	5382300		ADPT	-46.88	-85.986794	181359500				
36	A	20160218	37.73	37.96	37.09	37.19	2231400		ADS	-48.07	-17.380772	198979100				
37	A	20160219	36.98	37.6	36.85	37.44	2339400		ADSW	1.72	8.3902439	34703200				

O1	Ticker																
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	
1	<ticker>	<date>	<open>	<high>	<low>	<close>	<vol>								Ticker	Volume	
2	A	20150101	40.94	40.94	40.94	40.94	0		A	0.87	2.12506106	645319200		Greatest Increase	PLNT	1.563E+10	
3	A	20150102	41.18	41.31	40.37	40.56	1530700	AA	-17.76	-37.492084	6449104200		Greatest Decrease	KMLW	-98.591549		
4	A	20150105	40.32	40.46	39.7	39.8	2042200	AA-B	-17.14	-33.974232	40441700		Greatest Volume	BAC	2.1278E+10		
5	A	20150106	39.81	40.02	39.02	39.18	2084500	AAC	-11.86	-38.35705	78122300						
6	A	20150107	39.52	39.81	39.29	39.7	3359600	AAN	-8.18	-26.75826	179606700						
7	A	20150108	40.24	40.98	40.18	40.89	2116300	AAP	-8.77	-5.5060271	266930500						
8	A	20150109	41	41	40.29	40.59	1644900	AAT	-1.46	-3.6674202	48158100						
9	A	20150112	40.61	40.72	39.95	40.11	2771100	AAV	0.29	6.05427975	30229400						
10	A	20150113	40.47	40.7	39.33	39.55	2013400	AB	-1.98	-7.6655052	71403800						
11	A	20150114	39.03	39.1	38.21	39.06	5134000	ABB	-3.42	-16.170213	532805500						
12	A	20150115	39.33	39.41	37.99	38.01	2630200	ABBV	-6.2	-9.4743276	2643021600						
13	A	20150116	37.86	38.46	37.76	38.25	3003900	ABC	13.55	15.0288376	516218400						
14	A	20150119	38.25	38.25	38.25	38.25	0	ABEV	-1.76	-28.29582	3915345800						
15	A	20150120	38.43	38.66	37.76	37.93	5033600	ABG	-8.48	-11.169652	82930400						
16	A	20150121	37.75	38.41	37.68	38.16	2721600	ABM	-0.18	-0.6282723	72539400						
17	A	20150122	38.51	39.86	38.12	39.65	4856500	ABR	0.38	5.61299852	37916900						
18	A	20150123	39.6	39.6	38.76	38.81	1519200	ABR-A	-0.49	-1.9607843	1243100						
19	A	20150126	38.79	39.17	38.47	39.15	1511200	ABR-B	-2.14	-8.6639676	1022000						
20	A	20150127	38.7	39.25	38.58	38.75	1703500	ABR-C	-0.12	-0.4744958	634000						
21	A	20150128	39.01	39.05	37.96	38	2033500	ABRN	0.1	0.40816327	2109900						
22	A	20150129	38	38.47	37.69	38.46	2329900	ABT	-0.11	-0.2443359	1469310700						
23	A	20150130	38.01	38.32	37.71	37.77	3054300	ABX	-3.37	-31.348837	4289215100						
24	A	20150202	37.9	38.76	37.71	38.69	2508400	AC	1	3.38983051	437700						
25	A	20150203	39.04	39.63	38.92	39.62	2950300	ACC	-0.02	-0.0483559	228980000						
26	A	20150204	39.33	39.46	38.82	39.11	2567400	ACCO	-1.88	-20.865705	167330800						
27	A	20150205	39.22	39.82	39.22	39.53	1826300	ACH	-3.28	-28.472222	35801000						
28	A	20150206	39.54	39.81	39.23	39.34	2697200	ACM	-0.34	-1.1195258	362299600						
29	A	20150209	39.23	39.43	38.95	39.04	3586100	ACN	15.19	17.0081738	625655000						
30	A	20150210	39.31	39.76	38.78	39.67	1408700	ACP	-3.76	-24.884183	14348400						
31	A	20150211	39.64	39.81	39.23	39.33	3337000	ACRE	-0.04	-0.3484321	39118800						
32	A	20150212	39.58	40.06	39.53	40.02	1317700	ACV	-6.79	-27.214429	11539300						
33	A	20150213	39.97	40.31	39.91	40.15	2211900	ACW	-2.68	-61.751152	46092000						
34	A	20150216	40.15	40.15	40.15	40.15	0	ADC	2.9	9.32775812	27995400						
35	A	20150217	40.01	40.53	39.76	40.52	2875700	ADM	-15.32	-29.461538	998224500						
36	A	20150218	41.12	42.2	40.91	41.54	9007200	ADPT	17.12	45.7754011	82504100						
37	A	20150219	41.4	41.57	41.04	41.15	3737300	ADS	-2.23	-3.3141059	108101200						
2016 2015 2014 +																	
Count: 2																	

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	<ticker>	<date>	<open>	<high>	<low>	<close>	<vol>								Ticker	Volume
2	A	20140101	57.19	57.19	57.19	57.19	0		A	-16.25	-28.414058	572978100		Greatest Increase	DM	5581.15942
3	A	20140102	57.1	57.1	56.15	56.21	1916100	AA	15.48	48.5418627	5161412000		Greatest Decrease	CBO	-95.726496	
4	A	20140103	56.39	57.35	56.26	56.92	1866600	AA-B	1.34	2.72856852	21618200		Greatest Volume	BAC	2.1595E+10	
5	A	20140106	57.4	57.7	56.56	56.64	1777400	AAC	10.92	54.6	9789700					
6	A	20140107	56.95	57.63	56.93	57.45	1463200	AAN	1.17	3.97959184	237929300					
7	A	20140108	57.33	58.54	57.17	58.39	2659400	AAP	48.6	43.9103722	200376400					
8	A	20140109	58.4	58.68	57.87	58.41	1757600	AAT	8.38	26.6624244	40207800					
9	A	20140110	58.51	59.01	58.14	58.93	1623300	AAV	0.45	10.3686636	86658700					
10	A	20140113	58.77	59.1	58.6	58.93	2946700	AB	4.49	21.0402999	83051600					
11	A	20140114	59.16	59.95	59.02	59.88	2562200	ABB	-5.41	-20.368976	466820000					
12	A	20140115	59.82	60.37	59.59	60.34	2335100	ABBV	12.63	23.915925	2303237600					
13	A	20140116	60.24	60.5	60.04	60.5	1835900	ABC	19.85	28.2321149	428969000					
14	A	20140117	60.83	60.83	60.33	60.71	1699500	ABEV	-1.13	-15.37415	3208014300					
15	A	20140120	60.71	60.71	60.71	60.71	0	ABG	22.18	41.2727949	81065600					
16	A	20140121	60.69	60.88	59.86	60.85	3008400	ABM	0.06	0.20986359	52403000					
17	A	20140122	60.82	61.22	60.71	60.93	2769300	ABR	0.11	1.65165165	28348400					
18	A	20140123	60.48	60.51	59.4	59.47	3063500	ABR-A	0.77	3.17919075	1798500					
19	A	20140124	59.46	59.46	57.71	57.87	2656300	ABR-B	2.09	9.24369748	1722000					
20	A	20140127	57.9	58.37	56.98	58.3	4669000	ABR-C	0.94	3.86036961	1758200					
21	A	20140128	58.5	58.88	57.91	58.1	2536200	ABRN	0.49	2.04081633	3451100					
22	A	20140129	57.67	58.22	57.41	57.65	2163000	ABT	6.69	17.4536916	1516024700					
23	A	20140130	58.42	60.11	58.42	59.51	3743100	ABX	-6.88	-39.02439	3085372400					
24	A	20140131	58.61	59.15	58.05	58.15	3529000	ACC	9.15	28.4073269	180543400					
25	A	20140203	58.15	58.48	56.08	56.15	2929200	ACCO	2.29	34.077381	223248000					
26	A	20140204	56.32	57.88	56.09	57.81	2911800	ACH	2.82	32.4137931	34117500					
27	A	20140205	57.58	57.7	56.96	57.43	2283800	ACM	0.94	3.19401971	303393900					
28	A	20140206	57.51	58.35	57.46	58.29	1609400	ACN	7.09	8.62320603	705479100					
29	A	20140207	58.46	59.47	58.13	59.42	1975200	ACP	-2.47	-14.050057	14206700					
30	A	20140210	59.27	59.44	58.29	59.01	1760400	ACRE	-1.62	-12.366412	44197000					
31	A	20140211	59	60	58.88	59.73	2148200	ACW	0.61	16.3538874	60360500					
32	A	20140212	60	60.46	59.67	59.89	2347200	ADC	2.07	7.13301172	16456400					
33	A	20140213	59.45	60.38	59.37	60.08	3097000	ADM	8.6	19.8156682	899905700					
34	A	20140214	57.15	57.77	54.87	55.25	17862700	ADPT	12.24	48.6486486	19722500					
35	A	20140217	55.25	55.25	55.25	55.25	0	ADS	23.12	8.79321492	178760600					
36	A	20140218	55.38	56.04	54.96	55.15	6553800	ADX	0.61	4.66717674	34090400					
37	A	20140219	55.01	56.65	54.9	55.94	4838700	AEB	3.8	19.3089431	7019700					

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