

The purpose of this challenge was to analyze the daily performance of a list of stocks and discover how the stocks changed over the entire one-year period. We were asked to return the **yearly change**, **percent change**, and the **total stock volume traded** over the one-year period. As a bonus, we also included which stocks had the greatest and least percent increase and which stock had the greatest volume.

I did this for two files – the *alphabetical_testing* file and the *multiple_year_stockdata* file. I am going to include screenshots of the six worksheets for the *alphabetical_testing* file and the three worksheets for the *multiple_year_stockdata* file in this document.

alphabetical_testing worksheet A

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	<ticker>	<date>	<open>	<high>	<low>	<close>	<vol>		Ticker	Yearly Change	Percent Change	Total Stock Volume				Ticker	Value	
2	AAB	20200102	23.43	23.57	23.43	23.57	28522		AAB	-0.17	-0.73%	455750183				Greatest % Increase	AAR	22.95%
3	AAB	20200103	23.52	23.61	23.43	23.44	1399		AAF	0.18	3.59%	2079905917				Greatest % Decrease	AYO	-52.67%
4	AAB	20200106	23.46	23.48	23.37	23.39	2953		AAR	0.42	22.95%	39741504				Greatest Total Volume	AUE	46673501399
5	AAB	20200107	23.31	23.47	23.28	23.47	64755		AAT	-2.76	-20.19%	843387						
6	AAB	20200108	23.4	23.61	23.4	23.58	8534		ABJ	2.41	5.29%	1227233059						
7	AAB	20200109	23.6	23.71	23.6	23.71	6.2E+07		ABK	-0.73	-1.87%	9527396						
8	AAB	20200110	23.74	23.76	23.52	23.55	7524		ABKV	-3.53	-13.83%	4349538872						
9	AAB	20200113	23.57	23.79	23.57	23.77	76550		ABM	-0.91	-11.99%	593306563						
10	AAB	20200114	23.83	23.88	23.67	23.67	5781390		ACJ	-0.45	-2.96%	6079331						
11	AAB	20200115	23.64	23.83	23.61	23.76	53283		ACYQ	0.31	0.72%	284153367						
12	AAB	20200116	23.8	23.98	23.8	23.98	2796350		ADB	-0.68	-2.69%	34495347						
13	AAB	20200117	23.9	23.95	23.79	23.82	809847		ADF	2.18	15.53%	22708792743						
14	AAB	20200121	23.78	23.78	23.61	23.65	37674		AEL	3.33	6.96%	5051090846						
15	AAB	20200122	23.67	23.68	23.54	23.68	681		AEV	-8.75	-20.85%	196020						
16	AAB	20200123	23.59	23.68	23.56	23.58	14342		AEY	0.08	5.67%	13935158						
17	AAB	20200124	23.51	23.62	23.5	23.59	37839		AFZ	0.3	2.27%	33085895						
18	AAB	20200127	23.58	23.73	23.58	23.73	315691		AGF	0.25	0.46%	2613789440						
19	AAB	20200128	23.8	23.81	23.65	23.65	37896		AGJ	-1.83	-19.57%	470104336						
20	AAB	20200129	23.64	23.7	23.51	23.59	122379		AGM	0.26	3.96%	288012419						
21	AAB	20200130	23.58	23.58	23.31	23.32	2156		AHAO	0.21	1.93%	5605862626						
22	AAB	20200131	23.38	23.53	23.38	23.53	6958347		AHB	0.94	4.01%	24432080017						
23	AAB	20200203	23.53	23.62	23.46	23.62	19206		AIC	-2.47	-1.96%	3749942750						
24	AAB	20200204	23.67	23.67	23.47	23.47	5012		AIQ	-0.11	-0.93%	12367435						
25	AAB	20200205	23.47	23.49	23.32	23.33	353963		AIQF	-0.48	-18.97%	318736357						
26	AAB	20200206	23.29	23.41	23.29	23.37	6413149		AIQK	3.44	15.05%	235841297						
27	AAB	20200207	23.37	23.48	23.37	23.38	70645		AJA	-0.12	-4.58%	310750601						
28	AAB	20200210	23.37	23.41	23.26	23.3	26125		AJJ	0.88	0.79%	898322						
29	AAB	20200211	23.3	23.3	23.2	23.23	8271		AJK	1.41	13.17%	2250393129						
30	AAB	20200212	23.17	23.19	22.96	22.96	69241		AJL	-0.35	-2.45%	517938376						
31	AAB	20200213	22.98	23.04	22.95	22.96	49883		AJR	-0.6	-3.60%	214052760						
32	AAB	20200214	22.95	22.98	22.86	22.92	78316		AJS	0.69	3.95%	936233119						

alphabetical_testing worksheet B

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	<ticker>	<date>	<open>	<high>	<low>	<close>	<vol>		Ticker	Yearly Change	Percent Change	Total Stock Volume				Ticker	Value	
2	BAJQ	20200102	20.57	20.82	20.53	20.58	52871		BAJQ	-8.85	-43.02%	85193604				Greatest % Increase	BLC	42.41%
3	BAJQ	20200103	20.62	20.79	20.53	20.53	13667		BAOV	0.4	2.86%	830086327				Greatest % Decrease	BAJQ	-43.02%
4	BAJQ	20200106	20.36	20.36	20	20.28	55076		BBB	0.17	2.97%	13158875				Greatest Total Volume	BEK	1.28132E+11
5	BAJQ	20200107	20.31	20.44	20.31	20.38	698		BBJ	0.06	0.18%	191817600						
6	BAJQ	20200108	20.74	21.15	20.67	20.88	54015		BBN	1.91	7.02%	670911232						
7	BAJQ	20200109	20.7	20.7	20.28	20.47	1464		BC	1.43	5.07%	1841926672						
8	BAJQ	20200110	20.47	20.51	20.28	20.51	923692		BCA	-0.09	-2.74%	5317924426						
9	BAJQ	20200113	20.46	21.04	20.46	20.56	475774		BCI	0.73	7.86%	5425522218						
10	BAJQ	20200114	20.66	21.03	20.66	20.75	1054		BCP	-2.06	-4.05%	16020016						
11	BAJQ	20200115	20.69	21.42	20.69	21.42	334908		BCSA	-1.97	-4.09%	172581319						
12	BAJQ	20200116	21.32	21.65	21.32	21.65	5722		BCY	1.54	3.85%	744668894						
13	BAJQ	20200117	21.65	21.78	21.25	21.25	15966		BDNG	-0.04	-0.09%	2560355						
14	BAJQ	20200121	21.26	21.4	21.11	21.27	30715		BEK	0.92	16.37%	1.28132E+11						
15	BAJQ	20200122	21.49	21.56	21.25	21.25	6338		BFA	-2.47	-40.89%	30234637						
16	BAJQ	20200123	21.33	21.62	21.3	21.3	3863		BFF	-3.4	-19.91%	858046857						
17	BAJQ	20200124	21.35	21.6	21.19	21.6	157919		BFR	-2.25	-9.90%	30016844067						
18	BAJQ	20200127	21.62	21.94	21.51	21.8	571970		BFX	6.37	31.47%	841180568						
19	BAJQ	20200128	21.59	21.82	21.41	21.41	2815		BGC	-15.84	-13.25%	7099483						
20	BAJQ	20200129	21.3	21.38	20.95	20.95	2368		BGI	-2.34	-40.34%	1866693929						
21	BAJQ	20200130	21.05	21.22	21.02	21.1	20137		BGK	-0.15	-2.45%	2599090134						
22	BAJQ	20200131	21.14	21.42	21.14	21.33	57822		BGN	-0.62	-3.81%	1011364752						
23	BAJQ	20200203	21.37	21.6	21.33	21.39	55343		BGO	-1.4	-12.77%	40635512						
24	BAJQ	20200204	21.38	21.38	20.82	20.82	219250		BHB	-2.05	-7.44%	1604088336						
25	BAJQ	20200205	20.57	20.95	20.57	20.95	242		BHH	-0.2	-5.32%	691971184						
26	BAJQ	20200206	20.83	21.27	20.83	21.27	6790		BHK	1.26	2.32%	201550075						
27	BAJQ	20200207	21.07	21.2	20.86	21.05	515		BHO	-6.41	-13.59%	3535490						
28	BAJQ	20200210	21.04	21.15	20.77	20.77	32912		BHV	-0.08	-2.31%	445656199						
29	BAJQ	20200211	20.85	21.16	20.79	21.15	1321		BIA	-0.02	-0.02%	1071818018						
30	BAJQ	20200212	21.08	21.12	20.9	21	17608		BIE	0.07	2.22%	751431586						
31	BAJQ	20200213	21.05	21.58	21.05	21.46	9955		BIF	-0.23	-1.59%	12951895203						
32	BAJQ	20200214	21.55	21.7	21.22	21.36	180046		BIH	-0.36	-3.55%	3168017083						

alphabetical_testing worksheet C

1	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	<ticker>	<date>	<open>	<high>	<low>	<close>	<vol>		Ticker	Yearly Change	Percent Change	Total Stock Volume				Ticker	Value	
2	CAU	20200102	8.13	8.15	8.11	8.15	218		CAU	-0.11	-1.35%	390522721			Greatest % Increase	CCC	25.95%	
3	CAU	20200103	8.12	8.17	8.12	8.13	84506		CAZ	0.11	2.42%	10464007729			Greatest % Decrease	CKN	-38.77%	
4	CAU	20200106	8.11	8.12	8.06	8.06	9.5E+07		CAZJ	-3.39	-11.22%	395952378			Greatest Total Volume	CKJ	2.61609E+11	
5	CAU	20200107	8.08	8.23	8.08	8.23	21851		CBH	4.84	9.12%	3163919685						
6	CAU	20200108	8.24	8.27	8.22	8.22	4366		CBP	-0.67	-11.13%	3355088497						
7	CAU	20200109	8.24	8.25	8.16	8.23	57591		CBRT	-0.24	-2.25%	2147924922						
8	CAU	20200110	8.23	8.38	8.23	8.38	49926		CBS	-0.71	-11.60%	2463569470						
9	CAU	20200113	8.36	8.44	8.34	8.42	2.4E+07		CBU	-0.05	-1.33%	97441796						
10	CAU	20200114	8.42	8.5	8.41	8.5	627315		CBZ	-2.29	-9.40%	419115325						
11	CAU	20200115	8.54	8.64	8.54	8.62	1341896		CCA	-1.02	-4.13%	268770183						
12	CAU	20200116	8.62	8.62	8.56	8.58	398300		CCC	3.49	25.95%	27458468						
13	CAU	20200117	8.59	8.59	8.51	8.56	55779		CCQ	-1.46	-19.29%	49750360						
14	CAU	20200121	8.59	8.65	8.58	8.62	1319773		CDFC	-2.42	-2.34%	460026747						
15	CAU	20200122	8.6	8.63	8.52	8.52	6463		CDWM	0.33	0.53%	1947511299						
16	CAU	20200123	8.49	8.57	8.48	8.48	423817		CDX	3.86	7.97%	1.53102E+11						
17	CAU	20200124	8.5	8.54	8.43	8.5	845691		CDY	-1.7	-4.99%	635857369						
18	CAU	20200127	8.5	8.59	8.48	8.57	458		CDZ	0.33	3.51%	18629404						
19	CAU	20200128	8.56	8.57	8.39	8.43	2419989		CEA	-3.26	-6.95%	2931887						
20	CAU	20200129	8.45	8.51	8.43	8.5	9834		CEFV	0.34	1.61%	62844246						
21	CAU	20200130	8.5	8.5	8.34	8.4	30		CEJ	-3.9	-4.78%	270176656						
22	CAU	20200131	8.4	8.42	8.32	8.37	119609		CEM	0.81	2.70%	134620915						
23	CAU	20200203	8.37	8.37	8.29	8.3	53803		CEU	0.98	3.15%	14363298						
24	CAU	20200204	8.31	8.31	8.26	8.28	49904		CEUX	0.36	1.05%	35195771						
25	CAU	20200205	8.29	8.38	8.29	8.38	307960		CEX	1.66	11.35%	5398559641						
26	CAU	20200206	8.37	8.37	8.28	8.34	205		CFGF	5.1	16.54%	147219760						
27	CAU	20200207	8.33	8.33	8.24	8.24	20781		CFX	1.01	1.99%	72293233568						
28	CAU	20200210	8.24	8.24	8.19	8.21	1538		CFZ	0.38	1.58%	23275389						
29	CAU	20200211	8.24	8.34	8.24	8.34	24774		CHC	-3.07	-18.86%	80183527						
30	CAU	20200212	8.34	8.41	8.34	8.41	2679		CHKI	2.05	0.39%	133227460						
31	CAU	20200213	8.42	8.45	8.37	8.39	11744		CI	0.44	2.46%	95549054						
32	CAU	20200214	8.38	8.47	8.38	8.46	44592		CIQ	2.69	20.15%	65886287						

alphabetical_testing worksheet D

1	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	<ticker>	<date>	<open>	<high>	<low>	<close>	<vol>		Ticker	Yearly Change	Percent Change	Total Stock Volume				Ticker	Value	
2	DAOG	20200102	33.98	33.98	33.86	33.87	101797		DAOG	2.3	6.77%	13157215476			Greatest % Increase	DLUW	69.58%	
3	DAOG	20200103	33.92	34.09	33.92	34.08	7213573		DAV	0.22	0.87%	1932218			Greatest % Decrease	DRU	-25.11%	
4	DAOG	20200106	34.04	34.08	33.93	33.93	529385		DCE	1.86	17.10%	409841128			Greatest Total Volume	DJH	1.8866E+12	
5	DAOG	20200107	33.92	33.95	33.79	33.8	1E+07		DCJ	-0.61	-5.65%	90572597974						
6	DAOG	20200108	33.77	33.96	33.76	33.96	1357293		DCQ	1.78	52.82%	1012206656						
7	DAOG	20200109	33.96	33.99	33.83	33.85	8.4E+07		DCS	0.1	0.44%	25044759						
8	DAOG	20200110	33.91	33.95	33.84	33.93	131870		DCU	-0.31	-3.36%	2507952						
9	DAOG	20200113	33.95	33.95	33.78	33.82	1.3E+07		DCYK	1.53	8.13%	16337814						
10	DAOG	20200114	33.83	33.99	33.76	33.91	1.9E+07		DDA	1.12	4.36%	53273059						
11	DAOG	20200115	33.87	33.87	33.79	33.85	1764452		DDL	-1.51	-6.32%	81494609						
12	DAOG	20200116	33.76	33.83	33.68	33.81	135885		DDR	-0.09	-0.23%	98339625						
13	DAOG	20200117	33.86	33.95	33.78	33.78	2818871		DEO	-0.08	-3.52%	63802429						
14	DAOG	20200121	33.74	33.86	33.72	33.86	1501872		DFC	0.13	0.76%	1644837028						
15	DAOG	20200122	33.94	34.03	33.9	33.91	445441		DFG	-5.46	-20.07%	132240257						
16	DAOG	20200123	33.88	34.09	33.87	34.01	9486868		DFQ	-0.1	-2.46%	1421165715						
17	DAOG	20200124	34.05	34.09	33.94	34.02	1595341		DFQW	-0.2	-1.93%	330898177						
18	DAOG	20200127	33.97	33.97	33.73	33.84	291057		DFS	-9.62	-18.14%	1505175087						
19	DAOG	20200128	33.83	34	33.82	34	2.5E+08		DFW	-1.45	-6.09%	100449401						
20	DAOG	20200129	33.99	34.19	33.95	34.19	328742		DGF	3.16	10.74%	2162163803						
21	DAOG	20200130	34.21	34.21	34.04	34.04	9.8E+07		DGG	5.12	9.11%	68964630						
22	DAOG	20200131	34.03	34.16	34.03	34.13	46897		DGY	5.25	8.52%	159478968						
23	DAOG	20200203	34.08	34.11	33.98	34.02	2071779		DHN	0.43	2.04%	485681753						
24	DAOG	20200204	34.04	34.04	33.9	33.99	2.3E+07		DHV	-1.46	-4.02%	787564223						
25	DAOG	20200205	33.98	34.03	33.9	33.98	7985374		DHX	2.6	4.89%	226061079						
26	DAOG	20200206	33.9	33.9	33.71	33.71	2.1E+07		DIU	-11.46	-23.62%	9948706						
27	DAOG	20200207	33.74	33.82	33.65	33.65	280113		DJB	1.67	7.19%	9400638527						
28	DAOG	20200210	33.6	33.76	33.39	33.76	9E+07		DJCJ	-0.34	-6.32%	432607039						
29	DAOG	20200211	33.74	33.78	33.66	33.7	4.6E+07		DJD	-0.86	-2.89%	3803814257						
30	DAOG	20200212	33.68	33.73	33.56	33.64	133618		DJF	4.07	6.61%	39442924877						
31	DAOG	20200213	33.67	33.67	33.46	33.53	2.5E+09		DJH	0.18	1.45%	1.8866E+12						
32	DAOG	20200214	33.55	33.65	33.49	33.58	3692869		DJKK	1.77	6.72%	620002173						

alphabetical_testing worksheet E

▲	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	<ticker>	<date>	<open>	<high>	<low>	<close>	<vol>		Ticker	Yearly Change	Percent Change	Total Stock Volume				Ticker	Value	
2	EAA	20200102	28.07	28.09	27.99	28.09	3476		EAA	4.3	15.32%	29068444						
3	EAA	20200103	28.09	28.13	27.93	27.93	165172		EAWP	2.21	5.44%	14656184				Greatest % Increase	EPX	48.59%
4	EAA	20200106	27.85	27.91	27.76	27.84	27569		EB	0.52	1.56%	505049548				Greatest % Decrease	EEA	-63.17%
5	EAA	20200107	27.86	27.99	27.72	27.8	18877		EBA	-0.16	-1.00%	7396005				Greatest Total Volume	EMEH	4.12258E+11
6	EAA	20200108	27.73	27.76	27.48	27.48	31344		EBE	9.01	21.54%	10080750956						
7	EAA	20200109	27.55	27.55	27.33	27.33	32352		EBK	0.22	6.98%	3855474873						
8	EAA	20200110	27.34	27.37	27.14	27.14	114743		EBX	8.96	23.63%	225170309						
9	EAA	20200113	27.18	27.61	27.08	27.61	148		EBY	-2.21	-4.02%	473238566						
10	EAA	20200114	27.73	27.83	27.6	27.82	1666		ECC	-4.98	-32.59%	164060095						
11	EAA	20200115	27.8	27.8	27.54	27.61	1338952		ECIJ	1.33	10.29%	1561290701						
12	EAA	20200116	27.63	27.94	27.63	27.94	19676		ECJ	-1.12	-3.13%	839960						
13	EAA	20200117	27.98	28.4	27.98	28.33	208		EDL	0.47	1.06%	16334178						
14	EAA	20200121	28.45	28.46	28.31	28.37	778		EDZG	-1.32	-7.24%	580272908						
15	EAA	20200122	28.31	28.34	28.07	28.18	15833		EEA	-8.49	-63.17%	820406083						
16	EAA	20200123	28.18	28.47	28.18	28.36	1625		EEDS	-1.91	-18.04%	70700944727						
17	EAA	20200124	28.44	28.64	28.37	28.64	1538848		EEJ	3.48	13.00%	6278275						
18	EAA	20200127	28.55	28.66	28.54	28.61	14219		EEQ	25.83	45.48%	578529938						
19	EAA	20200128	28.59	28.65	28.51	28.55	24114		EFA	0.12	3.31%	730955419						
20	EAA	20200129	28.52	28.66	28.52	28.54	2113		EFG	0.25	2.11%	134983531						
21	EAA	20200130	28.61	28.79	28.56	28.71	23796		EFI	-13.73	-11.41%	7937387427						
22	EAA	20200131	28.77	28.8	28.54	28.62	193752		EFJD	-2.4	-7.30%	71516135						
23	EAA	20200203	28.55	28.7	28.37	28.52	19366		EFO	-0.24	-2.52%	108452621						
24	EAA	20200204	28.64	28.68	28.54	28.68	81572		EFP	1.46	1.77%	14143497073						
25	EAA	20200205	28.68	29.03	28.66	28.84	16055		EFSN	-0.23	-0.70%	510048925						
26	EAA	20200206	28.85	29.1	28.85	29.1	101214		EFX	1.11	2.90%	196926876						
27	EAA	20200207	29.06	29.19	29.01	29.03	655699		EGT	-0.17	-1.81%	425218254						
28	EAA	20200210	29.03	29.14	29.03	29.14	9642		EGY	1.29	25.24%	4550082882						
29	EAA	20200211	29.05	29.25	28.98	29.13	8679		EHC	0.03	0.06%	1674944						
30	EAA	20200212	29.13	29.23	29.07	29.23	1896		EHK	6.56	6.58%	5792171918						
31	EAA	20200213	29.26	29.44	29.19	29.37	280		EHR	-1.25	-8.33%	82807270						
32	EAA	20200214	29.46	29.57	29.37	29.57	2459		EHRD	-0.05	-0.16%	31778107						

alphabetical_testing worksheet F

▲	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	<ticker>	<date>	<open>	<high>	<low>	<close>	<vol>		Ticker	Yearly Change	Percent Change	Total Stock Volume				Ticker	Value	
2	FAAT	20200102	12.5	12.54	12.48	12.5	5576225		FAAT	0.34	2.72%	200386581						
3	FAAT	20200103	12.48	12.63	12.48	12.6	10493		FBB	8.59	3.35%	36316960667				Greatest % Increase	FGH	77.77%
4	FAAT	20200106	12.63	12.74	12.61	12.61	425275		FBG	5.12	15.29%	16420237				Greatest % Decrease	FGA	-61.93%
5	FAAT	20200107	12.58	12.68	12.58	12.64	18655		FBH	-2.02	-8.37%	7016936235				Greatest Total Volume	FNC	97274320608
6	FAAT	20200108	12.63	12.63	12.47	12.47	51538		FBIIW	0.06	0.48%	26051997						
7	FAAT	20200109	12.47	12.54	12.45	12.54	168		FBN	-1.01	-4.75%	130392381						
8	FAAT	20200110	12.54	12.59	12.46	12.46	362785		FBO	-0.78	-0.36%	36796737						
9	FAAT	20200113	12.49	12.49	12.4	12.41	41756		FBT	0.93	7.49%	423974302						
10	FAAT	20200114	12.45	12.47	12.4	12.44	124085		FBV	0.04	0.14%	111873104						
11	FAAT	20200115	12.4	12.42	12.38	12.41	1284		FCB	0.21	3.07%	3272236						
12	FAAT	20200116	12.41	12.48	12.41	12.43	386736		FCG	-2.38	-8.30%	3851077927						
13	FAAT	20200117	12.45	12.51	12.44	12.5	6186		FCLJ	0.47	3.17%	1429895682						
14	FAAT	20200121	12.5	12.53	12.41	12.46	23716		FCQ	-0.33	-3.93%	1310374228						
15	FAAT	20200122	12.44	12.55	12.44	12.52	9361		FCW	-0.44	-3.63%	646530832						
16	FAAT	20200123	12.52	12.55	12.46	12.49	278487		FCZ	-1.68	-12.57%	135503304						
17	FAAT	20200124	12.5	12.54	12.48	12.54	34394		FD	-5.53	-9.22%	54420359						
18	FAAT	20200127	12.52	12.59	12.52	12.56	200769		FDS	-0.95	-2.81%	26030887						
19	FAAT	20200128	12.57	12.64	12.55	12.64	79053		FDUY	-0.4	-14.93%	1985960						
20	FAAT	20200129	12.64	12.67	12.59	12.59	17209		FEB	-6.44	-20.86%	50023316320						
21	FAAT	20200130	12.62	12.71	12.61	12.71	10083		FEG	-0.04	-0.49%	857377219						
22	FAAT	20200131	12.7	12.7	12.56	12.56	383730		FFE	-1.48	-5.95%	3598416152						
23	FAAT	20200203	12.58	12.59	12.54	12.54	9855344		FFI	0.34	1.72%	107703929						
24	FAAT	20200204	12.56	12.65	12.55	12.63	40201		FFIN	0.46	4.74%	82504541						
25	FAAT	20200205	12.62	12.67	12.61	12.63	11038		FFJV	4.84	34.18%	3058124667						
26	FAAT	20200206	12.63	12.67	12.62	12.65	3659		FFPM	-3.17	-6.78%	288598438						
27	FAAT	20200207	12.63	12.65	12.6	12.63	27138		FFS	-0.91	-2.28%	7701673146						
28	FAAT	20200210	12.65	12.66	12.61	12.63	1598750		FFWF	1.76	7.59%	1626393157						
29	FAAT	20200211	12.65	12.69	12.56	12.67	1707		FFZ	-2.5	-19.75%	734141822						
30	FAAT	20200212	12.65	12.73	12.65	12.68	327075		FGA	-11.89	-61.93%	254165112						
31	FAAT	20200213	12.7	12.7	12.62	12.65	3589		FGB	0.05	0.54%	20603839						
32	FAAT	20200214	12.66	12.66	12.57	12.65	1904		FGE	1.12	30.43%	29725565						

Multiple_year_stock_data worksheet 2018

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	<ticker>	<date>	<open>	<high>	<low>	<close>	<vol>		Ticker	Yearly Change	Percent Change	Total Stock Volume				Ticker	Value	
2	AAB	20180102	24.44	24.56	24.44	24.47	261879		AAB	-3.12	-12.77%	765586921					141.42%	
3	AAB	20180103	24.45	24.45	24.22	24.28	1.6E+07		AAF	-0.44	-7.45%	2348179679				Greatest % Increase	THB	-90.02%
4	AAB	20180104	24.27	24.36	24.27	24.28	5954		AAR	-0.32	-17.11%	44127815				Greatest % Decrease	RKS	1.68918E+12
5	AAB	20180105	24.24	24.33	24.22	24.33	5.8E+07		AAT	5.33	42.44%	1121803				Greatest Total Volume	QKN	
6	AAB	20180108	24.28	24.72	24.28	24.72	267347		ABJ	0.2	0.47%	866724082						
7	AAB	20180109	24.73	24.73	24.64	24.64	1129348		ABK	1.61	4.80%	10294099						
8	AAB	20180110	24.62	24.78	24.57	24.68	5453423		ABKV	2.22	11.57%	5315936697						
9	AAB	20180111	24.68	24.85	24.68	24.85	14391		ABM	-1.16	-12.96%	1022789279						
10	AAB	20180112	24.86	24.86	24.71	24.86	13701		ACJ	-0.57	-3.70%	6165919						
11	AAB	20180116	24.85	24.93	24.79	24.79	101867		ACYQ	2.04	4.79%	231000914						
12	AAB	20180117	24.81	24.85	24.68	24.69	515155		ADB	-2.4	-8.34%	41979400						
13	AAB	20180118	24.67	24.86	24.67	24.86	657377		ADF	0.36	2.74%	13907763004						
14	AAB	20180119	24.89	24.93	24.71	24.71	1106987		AEL	2.33	5.11%	4339772534						
15	AAB	20180122	24.66	24.9	24.66	24.85	1418811		AEV	2.79	11.71%	843647						
16	AAB	20180123	24.87	24.94	24.8	24.84	52744		AEY	-0.08	-6.96%	8238727						
17	AAB	20180124	24.83	24.83	24.56	24.56	3545845		AFZ	0.35	2.70%	175656893						
18	AAB	20180125	24.58	24.66	24.54	24.66	3119820		AGF	-1.53	-2.46%	1903318891						
19	AAB	20180126	24.71	24.8	24.67	24.67	190060		AGJ	-0.17	-2.75%	1250985838						
20	AAB	20180129	24.67	24.7	24.62	24.68	594904		AGM	-0.21	-2.92%	36443197						
21	AAB	20180130	24.59	24.64	24.53	24.56	2373		AHAO	-0.16	-1.36%	6163783446						
22	AAB	20180131	24.53	24.53	24.41	24.47	134187		AHB	-4.78	-15.80%	25618088577						
23	AAB	20180201	24.48	24.66	24.48	24.66	372501		AIC	28.45	23.58%	3382236187						
24	AAB	20180202	24.65	24.65	24.54	24.58	5314		AIQ	0.2	1.71%	15475269						
25	AAB	20180205	24.55	24.6	24.2	24.2	336163		AIQF	0.01	0.47%	913162368						
26	AAB	20180206	24.25	24.43	24.24	24.36	7973461		AIQK	4.9	26.78%	314027391						
27	AAB	20180207	24.37	24.49	24.37	24.49	230014		AJA	0.48	21.72%	176689829						
28	AAB	20180208	24.46	24.46	24.28	24.28	641540		AJJ	0.69	0.65%	1852757						
29	AAB	20180209	24.4	24.45	24.23	24.29	2.2E+07		AJK	2.12	28.61%	4706220960						
30	AAB	20180212	24.31	24.31	24.02	24.05	50989		AJL	0.15	1.16%	301441651						
31	AAB	20180213	24	24	23.93	23.97	63617		AJR	0.09	0.49%	532118361						
32	AAB	20180214	24.02	24.07	23.89	23.91	1745		AJS	5.2	29.08%	909335649						

Multiple_year_stock_data worksheet 2019

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	<ticker>	<date>	<open>	<high>	<low>	<close>	<vol>		Ticker	Yearly Change	Percent Change	Total Stock Volume				Ticker	Value	
2	AAB	20190102	21.31	21.37	21.23	21.23	10958		AAB	2.14	10.04%	241966327					190.03%	
3	AAB	20190103	21.19	21.2	21.06	21.1	2171964		AAF	-0.45	-8.23%	2811929374				Greatest % Increase	RYU	-91.60%
4	AAB	20190104	21.15	21.17	20.96	21.03	3675		AAR	0.28	18.06%	120364315				Greatest % Decrease	RKS	4.37272E+12
5	AAB	20190107	21.06	21.07	21.03	21.06	1325		AAT	-4.18	-23.54%	970884				Greatest Total Volume	ZQD	
6	AAB	20190108	21.04	21.04	20.83	20.83	14382		ABJ	2.55	5.95%	6124740938						
7	AAB	20190109	20.91	21.11	20.91	21.03	7870		ABK	3.79	10.78%	13088975						
8	AAB	20190110	21	21.29	21	21.29	1225387		ABKV	3.94	18.33%	4018553974						
9	AAB	20190111	21.31	21.39	21.31	21.36	3404027		ABM	-0.22	-2.82%	580952790						
10	AAB	20190114	21.34	21.41	21.3	21.33	25837		ACJ	0.4	2.70%	5517704						
11	AAB	20190115	21.34	21.36	21.24	21.3	105596		ACYQ	-1.49	-3.34%	190097676						
12	AAB	20190116	21.32	21.43	21.29	21.35	1094876		ADB	-1.04	-3.95%	30959417						
13	AAB	20190117	21.27	21.37	21.27	21.27	203755		ADF	0.55	4.07%	8318645958						
14	AAB	20190118	21.18	21.32	21.18	21.3	9423		AEL	-0.09	-0.19%	12723681166						
15	AAB	20190122	21.31	21.31	21.12	21.12	220280		AEV	15.31	57.77%	308951						
16	AAB	20190123	21.14	21.24	21.14	21.24	5214		AEY	0.34	31.78%	16626704						
17	AAB	20190124	21.23	21.24	21.11	21.13	12912		AFZ	-0.09	-0.68%	58372032						
18	AAB	20190125	21.16	21.22	21.12	21.15	235681		AGF	-6.65	-10.97%	1813673380						
19	AAB	20190128	21.2	21.2	21.07	21.07	555		AGJ	3.3	55.00%	728348334						
20	AAB	20190129	21.14	21.14	21.01	21.03	557731		AGM	-0.38	-5.47%	48438142						
21	AAB	20190130	21.08	21.17	21.08	21.1	526084		AHAO	-0.78	-6.70%	10127791615						
22	AAB	20190131	21.03	21.11	20.95	21.11	186		AHB	-1.97	-7.74%	9208808838						
23	AAB	20190201	21.09	21.12	21.04	21.05	925610		AIC	-22.67	-15.28%	6835141486						
24	AAB	20190204	21.03	21.03	20.79	20.81	71848		AIQ	-0.12	-1.01%	9090327						
25	AAB	20190205	20.77	20.82	20.77	20.8	166496		AIQF	0.4	18.78%	881948199						
26	AAB	20190206	20.69	20.77	20.64	20.73	6969		AIQK	-0.38	-1.64%	298366842						
27	AAB	20190207	20.73	20.75	20.7	20.74	7588084		AJA	-0.08	-2.97%	148526383						
28	AAB	20190208	20.72	20.79	20.67	20.79	7134		AJJ	4.1	3.84%	549840						
29	AAB	20190211	20.81	20.83	20.71	20.83	33916		AJK	1.19	12.49%	3633317100						
30	AAB	20190212	20.8	20.91	20.8	20.91	2184		AJL	1.2	9.16%	224243181						
31	AAB	20190213	20.86	20.92	20.86	20.87	123943		AJR	-1.99	-10.66%	275856025						
32	AAB	20190214	20.9	20.9	20.8	20.81	677		AJS	-5.76	-24.85%	1252520608						

Multiple_year_stock_data worksheet 2020

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	<ticker>	<date>	<open>	<high>	<low>	<close>	<vol>		Ticker	Yearly Change	Percent Change	Total Stock Volume				Ticker	Value	
2	AAB	20200102	23.43	23.57	23.43	23.57	28522		AAB	-0.17	-0.73%	455750183				Greatest % Increase	YDI	188.76%
3	AAB	20200103	23.52	23.61	23.43	23.44	1399		AAF	0.18	3.59%	2079905917				Greatest % Decrease	VNG	-89.05%
4	AAB	20200106	23.46	23.48	23.37	23.39	2953		AAR	0.42	22.95%	39741504				Greatest Total Volume	KQN	3.45294E+12
5	AAB	20200107	23.31	23.47	23.28	23.47	64755		AAT	-2.76	-20.19%	843387						
6	AAB	20200108	23.4	23.61	23.4	23.58	8534		ABJ	2.41	5.29%	1227233059						
7	AAB	20200109	23.6	23.71	23.6	23.71	6.2E+07		ABK	-0.73	-1.87%	9527396						
8	AAB	20200110	23.74	23.76	23.52	23.55	7524		ABKV	-3.53	-13.83%	4349538872						
9	AAB	20200113	23.57	23.79	23.57	23.77	76550		ABM	-0.91	-11.99%	593306563						
10	AAB	20200114	23.83	23.88	23.67	23.67	5781390		ACJ	-0.45	-2.96%	6079331						
11	AAB	20200115	23.64	23.83	23.61	23.76	53283		ACYQ	0.31	0.72%	284153367						
12	AAB	20200116	23.8	23.98	23.8	23.98	2796350		ADB	-0.68	-2.69%	34495347						
13	AAB	20200117	23.9	23.95	23.79	23.82	809847		ADF	2.18	15.53%	22708792743						
14	AAB	20200121	23.78	23.78	23.61	23.65	37674		AEL	3.33	6.96%	5051090846						
15	AAB	20200122	23.67	23.68	23.54	23.68	681		AEV	-8.75	-20.85%	196020						
16	AAB	20200123	23.59	23.68	23.56	23.58	14342		AEY	0.08	5.67%	13935158						
17	AAB	20200124	23.51	23.62	23.5	23.59	37839		AFZ	0.3	2.27%	33085895						
18	AAB	20200127	23.58	23.73	23.58	23.73	315691		AGF	0.25	0.46%	2613789440						
19	AAB	20200128	23.8	23.81	23.65	23.65	37896		AGJ	-1.83	-19.57%	470104336						
20	AAB	20200129	23.64	23.7	23.51	23.59	122379		AGM	0.26	3.96%	288012419						
21	AAB	20200130	23.58	23.58	23.31	23.32	2156		AHAO	0.21	1.93%	5605862626						
22	AAB	20200131	23.38	23.53	23.38	23.53	6958347		AHB	0.94	4.01%	24432080017						
23	AAB	20200203	23.53	23.62	23.46	23.62	19206		AIC	-2.47	-1.96%	3749942750						
24	AAB	20200204	23.67	23.67	23.47	23.47	5012		AIQ	-0.11	-0.93%	12367435						
25	AAB	20200205	23.47	23.49	23.32	23.33	353963		AIQF	-0.48	-18.97%	318736357						
26	AAB	20200206	23.29	23.41	23.29	23.37	6413149		AIQK	3.44	15.05%	235841297						
27	AAB	20200207	23.37	23.48	23.37	23.38	70645		AJA	-0.12	-4.58%	310750601						
28	AAB	20200210	23.37	23.41	23.26	23.3	26125		AJJ	0.88	0.79%	898322						
29	AAB	20200211	23.3	23.3	23.2	23.23	8271		AJK	1.41	13.17%	2250393129						
30	AAB	20200212	23.17	23.19	22.96	22.96	69241		AJL	-0.35	-2.45%	517938376						
31	AAB	20200213	22.98	23.04	22.95	22.96	49883		AJR	-0.6	-3.60%	214052760						
32	AAB	20200214	22.95	22.98	22.86	22.92	78316		AJS	0.69	3.95%	936233119						