

transaction_id	time	product_id
1	1/8/16 17:46	3
1	1/8/16 17:46	61
2	1/7/16 14:11	23
4	1/6/16 17:57	52
4	1/6/16 17:57	4
4	1/6/16 17:57	76
5	1/7/16 14:51	45
7	1/7/16 12:07	17
7	1/7/16 12:07	31
7	1/7/16 12:07	21
7	1/7/16 12:07	47
7	1/7/16 12:07	44
8	1/7/16 9:35	8
8	1/7/16 9:35	60
8	1/7/16 9:35	38
8	1/7/16 9:35	64
9	1/3/16 9:06	12
9	1/3/16 9:06	14
9	1/3/16 9:06	17
9	1/3/16 9:06	70
9	1/3/16 9:06	10
10	1/4/16 8:47	18
11	1/8/16 11:40	77
11	1/8/16 11:40	25
11	1/8/16 11:40	47
11	1/8/16 11:40	36
11	1/8/16 11:40	10
12	1/4/16 17:45	66
13	1/4/16 13:23	21
15	1/5/16 9:13	42
15	1/5/16 9:13	56
15	1/5/16 9:13	29
16	1/5/16 14:25	36
16	1/5/16 14:25	41
16	1/5/16 14:25	22
17	1/7/16 18:54	73
17	1/7/16 18:54	41
19	1/4/16 12:20	76
19	1/4/16 12:20	71
20	1/4/16 10:01	6
20	1/4/16 10:01	6
20	1/4/16 10:01	29
20	1/4/16 10:01	10
21	1/5/16 9:29	47
21	1/5/16 9:29	68
21	1/5/16 9:29	52
21	1/5/16 9:29	41
22	1/6/16 14:30	14
22	1/6/16 14:30	27
23	1/7/16 9:01	67

produce_type	unique_transaction_id	count_of_each_transaction_id	product_type
produce	1	2	produce
produce	2	1	dry_goods
dry_goods	4	3	dairy
dairy	5	1	snacks
produce	7	5	frozen
snacks	8	4	other
frozen	9	5	meat
other	10	1	canned_jarred_goods
snacks	11	5	beverages
snacks	12	1	bread
dairy	13	1	
frozen	15	3	
produce	16	3	
produce	17	2	
frozen	19	2	
produce	20	4	
dairy	21	4	
snacks	22	2	
other	23	4	
dry_goods	24	2	
produce	25	1	
dry_goods	26	5	
produce	27	3	
meat	29	1	
dairy	30	1	
canned_jarred_goods	31	1	
produce	32	5	
produce	33	1	
snacks	34	1	
produce	35	3	
dry_goods	36	2	
dairy	37	3	
canned_jarred_goods	38	1	
frozen	39	2	
meat	40	3	
snacks	41	3	
frozen	42	1	
snacks	43	2	
dry_goods	44	2	
produce	45	5	
produce	46	2	
dairy	47	1	
produce	48	4	
dairy	49	2	
produce	50	2	
dairy	52	3	
frozen	53	4	
snacks	54	2	
other	55	2	
dry_goods	56	2	

count_of_each	reorder in desc order		price_unit
168	produce	168	1.02
130	dry_goods	130	0.55
74	snacks	86	0.91
86	dairy	74	1.79
56	frozen	56	1.19
19	canned_jarred_goods	22	0.69
14	other	19	1.29
22	beverages	19	2.67
19	meat	14	0.61
6	bread	6	2.59
			1.17
			4.99
			3.99
			2.06
			1.19
			1.22
			1.15
			0.53
			2.67
			0.19
			0.96
			0.67
			2.67
			39.99
			1.17
			1.12
			0.96
			1.12
			2.59
			5.99
			0.86
			0.63
			1.12
			1.09
			19.59
			0.69
			1.09
			0.69
			0.24
			1.69
			1.69
			0.63
			0.96
			1.17
			0.67
			1.79
			1.09
			0.53
			6
			1.74

[illegible]

23	1/7/16 9:01	13
23	1/7/16 9:01	55
23	1/7/16 9:01	69
24	1/3/16 10:47	54
24	1/3/16 10:47	3
25	1/6/16 19:04	83
26	1/6/16 8:42	26
26	1/6/16 8:42	22
26	1/6/16 8:42	5
26	1/6/16 8:42	32
26	1/6/16 8:42	47
27	1/7/16 17:51	51
27	1/7/16 17:51	40
27	1/7/16 17:51	48
29	1/7/16 12:26	28
30	1/5/16 13:54	68
31	1/5/16 13:19	3
32	1/4/16 19:37	65
32	1/4/16 19:37	7
32	1/4/16 19:37	67
32	1/4/16 19:37	7
32	1/4/16 19:37	3
33	1/3/16 11:10	72
34	1/8/16 12:37	84
35	1/5/16 16:08	65
35	1/5/16 16:08	14
35	1/5/16 16:08	44
36	1/7/16 16:11	59
36	1/7/16 16:11	63
37	1/6/16 15:31	52
37	1/6/16 15:31	19
37	1/6/16 15:31	8
38	1/6/16 13:19	69
39	1/8/16 16:47	66
39	1/8/16 16:47	24
40	1/3/16 10:46	7
40	1/3/16 10:46	1
40	1/3/16 10:46	17
41	1/5/16 14:49	52
41	1/5/16 14:49	61
41	1/5/16 14:49	62
42	1/5/16 11:36	77
43	1/3/16 19:07	2
43	1/3/16 19:07	41
44	1/6/16 17:06	56
44	1/6/16 17:06	75
45	1/7/16 8:21	75
45	1/7/16 8:21	40
45	1/7/16 8:21	39
45	1/7/16 8:21	51
45	1/7/16 8:21	52

beverages	57	3	
dairy	58	4	
dry_goods	59	1	
dairy	60	3	
produce	61	4	
snacks	62	1	
beverages	63	1	
meat	64	3	
produce	65	3	
produce	66	1	
dairy	67	3	
dairy	68	1	
frozen	69	4	
dry_goods	70	3	
dry_goods	71	1	
produce	72	4	
produce	73	3	
produce	74	2	
produce	75	2	
dry_goods	76	2	
produce	77	1	
produce	78	4	
dry_goods	79	3	
dry_goods	81	1	
produce	82	4	
snacks	83	1	
frozen	84	2	
produce	85	2	
produce	86	4	
dairy	87	2	
snacks	88	5	
produce	89	1	
dry_goods	90	2	
produce	91	4	
dry_goods	92	1	
produce	93	3	
produce	94	2	
other	95	1	
dairy	96	1	
produce	97	4	
dry_goods	98	2	
produce	99	2	
produce	100	4	
frozen	101	4	
dry_goods	102	3	
snacks	103	3	
snacks	104	3	
frozen	105	3	
snacks	106	6	
dairy	107	1	
dairy	108	3	

			0.38
			1.1
			0.27
			1.23
			1.02
			0.39
			0.25
			19.59
			3.86
			2.99
			1.17
			0.89
			1.17
			0.89
			0.69
			0.67
			1.02
			1.32
			2.54
			1.74
			2.54
			1.02
			0.27
			2.59
			1.32
			0.53
			4.99
			4.29
			3.57
			1.79
			0.41
			3.99
			0.27
			1.12
			0.56
			2.54
			3.28
			2.67
			1.79
			0.55
			1.17
			2.67
			1.44
			1.09
			0.86
			0.57
			0.57
			1.17
			0.59
			0.89
			1.79





46	1/3/16 9:17	63
46	1/3/16 9:17	43
47	1/7/16 17:55	28
48	1/8/16 15:45	30
48	1/8/16 15:45	23
48	1/8/16 15:45	18
48	1/8/16 15:45	20
49	1/7/16 17:50	67
49	1/7/16 17:50	53
50	1/6/16 14:58	56
50	1/6/16 14:58	80
52	1/5/16 15:44	50
52	1/5/16 15:44	13
52	1/5/16 15:44	44
53	1/6/16 11:55	61
53	1/6/16 11:55	33
53	1/6/16 11:55	36
53	1/6/16 11:55	29
54	1/3/16 8:53	20
54	1/3/16 8:53	79
55	1/5/16 19:13	8
55	1/5/16 19:13	76
56	1/3/16 12:21	62
56	1/3/16 12:21	70
57	1/7/16 19:30	81
57	1/7/16 19:30	64
57	1/7/16 19:30	11
58	1/8/16 9:52	79
58	1/8/16 9:52	37
58	1/8/16 9:52	39
58	1/8/16 9:52	27
59	1/8/16 14:39	4
60	1/3/16 13:51	51
60	1/3/16 13:51	13
60	1/3/16 13:51	78
61	1/3/16 9:16	22
61	1/3/16 9:16	31
61	1/3/16 9:16	46
61	1/3/16 9:16	46
62	1/7/16 14:34	56
63	1/6/16 18:54	16
64	1/6/16 18:39	16
64	1/6/16 18:39	70
64	1/6/16 18:39	22
65	1/7/16 16:46	50
65	1/7/16 16:46	29
65	1/7/16 16:46	58
66	1/8/16 16:44	39
67	1/4/16 19:09	55
67	1/4/16 19:09	49
67	1/4/16 19:09	67

produce	109	3	
bread	110	1	
dry_goods	111	1	
dairy	112	2	
dry_goods	113	2	
dry_goods	114	2	
snacks	116	2	
dry_goods	117	1	
dairy	118	6	
dry_goods	119	1	
dry_goods	120	3	
dairy	121	4	
beverages	123	3	
frozen	124	2	
produce	126	1	
canned_jarred_goods	127	2	
canned_jarred_goods	128	2	
dairy	129	2	
snacks	130	2	
dry_goods	131	1	
produce	133	2	
snacks	134	3	
dry_goods	135	2	
dry_goods	136	3	
dry_goods	137	2	
produce	138	4	
produce	139	4	
dry_goods	142	3	
frozen	143	3	
snacks	144	1	
other	145	2	
produce	146	1	
dairy	147	3	
beverages	148	1	
dry_goods	149	2	
meat	151	3	
snacks	152	2	
frozen	153	2	
frozen	154	2	
dry_goods	155	2	
snacks	156	1	
snacks	157	3	
dry_goods	158	5	
meat	159	3	
dairy	160	3	
dairy	161	1	
dry_goods	162	2	
snacks	163	6	
dairy	164	3	
dairy	165	2	
dry_goods	166	2	

			3.57
			0.99
			0.69
			0.91
			0.91
			0.67
			1.11
			1.74
			1.69
			0.86
			3.49
			0.77
			0.38
			4.99
			0.55
			0.97
			1.12
			0.63
			1.11
			3.3
			3.99
			0.69
			1.17
			0.19
			2.99
			1.22
			4.89
			3.3
			3.52
			0.59
			6
			1.19
			0.89
			0.38
			1.44
			19.59
			0.61
			16.99
			16.99
			0.86
			2.43
			2.43
			0.19
			19.59
			0.77
			0.63
			0.96
			0.59
			1.1
			0.67
			1.74



68	1/3/16 19:46	36
69	1/5/16 9:08	82
69	1/5/16 9:08	55
69	1/5/16 9:08	60
69	1/5/16 9:08	62
70	1/6/16 11:52	21
70	1/6/16 11:52	81
70	1/6/16 11:52	56
71	1/4/16 11:14	74
72	1/6/16 19:14	30
72	1/6/16 19:14	19
72	1/6/16 19:14	67
72	1/6/16 19:14	42
73	1/7/16 11:56	81
73	1/7/16 11:56	24
73	1/7/16 11:56	20
74	1/7/16 19:49	21
74	1/7/16 19:49	36
75	1/4/16 13:37	11
75	1/4/16 13:37	72
76	1/6/16 12:20	57
76	1/6/16 12:20	73
77	1/6/16 14:23	28
78	1/6/16 9:03	76
78	1/6/16 9:03	25
78	1/6/16 9:03	2
78	1/6/16 9:03	12
79	1/5/16 19:43	9
79	1/5/16 19:43	10
79	1/5/16 19:43	16
81	1/3/16 9:19	65
82	1/4/16 18:07	17
82	1/4/16 18:07	20
82	1/4/16 18:07	14
82	1/4/16 18:07	27
83	1/8/16 12:58	60
84	1/8/16 19:59	67
84	1/8/16 19:59	77
85	1/7/16 12:58	79
85	1/7/16 12:58	81
86	1/7/16 9:39	9
86	1/7/16 9:39	42
86	1/7/16 9:39	69
86	1/7/16 9:39	76
87	1/5/16 11:57	63
87	1/5/16 11:57	78
88	1/4/16 16:09	82
88	1/4/16 16:09	69
88	1/4/16 16:09	81
88	1/4/16 16:09	78
88	1/4/16 16:09	80

canned_jarred_goods	167	1	
dry_goods	168	2	
dairy	169	2	
produce	170	3	
dry_goods	171	3	
snacks	172	2	
dry_goods	173	3	
dry_goods	174	3	
snacks	175	3	
dairy	176	4	
snacks	177	3	
dry_goods	178	2	
produce	179	2	
dry_goods	180	1	
dry_goods	182	3	
snacks	183	1	
snacks	184	1	
canned_jarred_goods	185	2	
produce	186	2	
dry_goods	187	4	
produce	188	1	
snacks	190	5	
dry_goods	191	2	
snacks	192	2	
meat	193	2	
produce	194	3	
dairy	195	4	
produce	196	1	
produce	199	2	
snacks	200	1	
produce	201	2	
other	202	3	
snacks	203	3	
snacks	204	3	
other	205	2	
produce	206	1	
dry_goods	207	4	
produce	209	3	
dry_goods	210	3	
dry_goods	211	3	
produce	212	1	
produce	213	3	
dry_goods	214	4	
snacks	215	2	
produce	216	5	
dry_goods	217	3	
dry_goods	218	2	
dry_goods	220	2	
dry_goods	221	3	
dry_goods	222	1	
dry_goods	224	3	

			1.12
			3.08
			1.1
			2.06
			1.17
			2.59
			2.99
			0.86
			0.75
			0.91
			0.41
			1.74
			5.99
			2.99
			0.56
			1.11
			2.59
			1.12
			4.89
			0.27
			3.6
			0.69
			0.69
			0.69
			39.99
			1.44
			1.15
			0.96
			0.96
			2.43
			1.32
			2.67
			1.11
			0.53
			6
			2.06
			1.74
			2.67
			3.3
			2.99
			0.96
			5.99
			0.27
			0.69
			3.57
			1.44
			3.08
			0.27
			2.99
			1.44
			3.49





89	1/6/16 17:59	58
90	1/5/16 8:44	57
90	1/5/16 8:44	19
91	1/7/16 12:17	26
91	1/7/16 12:17	13
91	1/7/16 12:17	2
91	1/7/16 12:17	35
92	1/8/16 12:03	6
93	1/4/16 17:52	23
93	1/4/16 17:52	46
93	1/4/16 17:52	21
94	1/4/16 10:43	11
94	1/4/16 10:43	64
95	1/8/16 14:01	15
96	1/4/16 16:49	76
97	1/8/16 12:26	7
97	1/8/16 12:26	40
97	1/8/16 12:26	38
97	1/8/16 12:26	36
98	1/4/16 19:41	75
98	1/4/16 19:41	35
99	1/6/16 19:06	15
99	1/6/16 19:06	40
100	1/5/16 16:32	78
100	1/5/16 16:32	2
100	1/5/16 16:32	64
100	1/5/16 16:32	13
101	1/4/16 19:21	78
101	1/4/16 19:21	48
101	1/4/16 19:21	17
101	1/4/16 19:21	15
102	1/4/16 18:46	48
102	1/4/16 18:46	39
102	1/4/16 18:46	35
103	1/5/16 17:05	57
103	1/5/16 17:05	72
103	1/5/16 17:05	51
104	1/8/16 8:13	75
104	1/8/16 8:13	42
104	1/8/16 8:13	17
105	1/8/16 10:34	81
105	1/8/16 10:34	24
105	1/8/16 10:34	57
106	1/3/16 9:48	57
106	1/3/16 9:48	46
106	1/3/16 9:48	38
106	1/3/16 9:48	36
106	1/3/16 9:48	34
106	1/3/16 9:48	60
107	1/8/16 17:51	12
108	1/4/16 12:49	5

dry_goods	225	1	
produce	226	4	
snacks	227	1	
beverages	228	1	
beverages	229	7	
produce	231	2	
frozen	232	3	
produce	233	2	
dry_goods	235	4	
frozen	236	4	
snacks	237	2	
produce	238	2	
produce	239	4	
snacks	240	5	
snacks	242	2	
produce	243	4	
frozen	244	2	
frozen	245	6	
canned_jarred_goods	246	2	
snacks	247	2	
frozen	249	4	
snacks	250	2	
frozen	251	2	
dry_goods	252	2	
produce	253	3	
produce	254	4	
beverages	255	1	
dry_goods	256	2	
dry_goods	258	5	
other	259	4	
snacks	260	2	
dry_goods			
snacks			
frozen			
produce			
dry_goods			
dairy			
snacks			
produce			
other			
dry_goods			
dry_goods			
produce			
produce			
frozen			
frozen			
canned_jarred_goods			
canned_jarred_goods			
produce			
dairy			
produce			





108	1/4/16 12:49	27
108	1/4/16 12:49	25
109	1/6/16 11:29	78
109	1/6/16 11:29	37
109	1/6/16 11:29	59
110	1/8/16 10:40	70
111	1/5/16 19:41	46
112	1/7/16 10:03	11
112	1/7/16 10:03	72
113	1/8/16 14:36	65
113	1/8/16 14:36	27
114	1/5/16 11:27	77
114	1/5/16 11:27	13
116	1/5/16 11:28	11
116	1/5/16 11:28	37
117	1/5/16 13:26	9
118	1/6/16 14:27	23
118	1/6/16 14:27	40
118	1/6/16 14:27	75
118	1/6/16 14:27	8
118	1/6/16 14:27	18
118	1/6/16 14:27	48
119	1/3/16 15:57	76
120	1/3/16 14:50	53
120	1/3/16 14:50	63
120	1/3/16 14:50	7
121	1/8/16 14:40	32
121	1/8/16 14:40	20
121	1/8/16 14:40	63
121	1/8/16 14:40	27
123	1/8/16 10:03	49
123	1/8/16 10:03	58
123	1/8/16 10:03	19
124	1/3/16 8:29	83
124	1/3/16 8:29	44
126	1/3/16 12:37	4
127	1/4/16 9:18	40
127	1/4/16 9:18	5
128	1/3/16 15:10	36
128	1/3/16 15:10	15
129	1/6/16 19:12	21
129	1/6/16 19:12	55
130	1/6/16 16:55	71
130	1/6/16 16:55	55
131	1/6/16 19:20	4
133	1/7/16 18:59	59
133	1/7/16 18:59	72
134	1/4/16 17:54	33
134	1/4/16 17:54	49
134	1/4/16 17:54	69
135	1/3/16 15:24	15

other			
meat			
dry_goods			
frozen			
produce			
dry_goods			
frozen			
produce			
dry_goods			
produce			
other			
produce			
beverages			
produce			
frozen			
produce			
dry_goods			
frozen			
snacks			
produce			
dry_goods			
dry_goods			
snacks			
dairy			
produce			
produce			
produce			
snacks			
produce			
other			
dairy			
dry_goods			
snacks			
snacks			
frozen			
produce			
frozen			
produce			
canned_jarred_goods			
snacks			
snacks			
dairy			
dry_goods			
dairy			
produce			
produce			
dry_goods			
canned_jarred_goods			
dairy			
dry_goods			
snacks			







135	1/3/16 15:24	11
136	1/6/16 12:33	73
136	1/6/16 12:33	27
136	1/6/16 12:33	10
137	1/3/16 14:43	39
137	1/3/16 14:43	84
138	1/8/16 17:32	13
138	1/8/16 17:32	55
138	1/8/16 17:32	40
138	1/8/16 17:32	5
139	1/3/16 19:44	54
139	1/3/16 19:44	69
139	1/3/16 19:44	2
139	1/3/16 19:44	31
142	1/6/16 14:26	73
142	1/6/16 14:26	31
142	1/6/16 14:26	24
143	1/6/16 8:48	73
143	1/6/16 8:48	77
143	1/6/16 8:48	84
144	1/5/16 19:16	46
145	1/5/16 13:28	52
145	1/5/16 13:28	79
146	1/3/16 13:06	31
147	1/8/16 17:21	52
147	1/8/16 17:21	39
147	1/8/16 17:21	58
148	1/3/16 18:34	15
149	1/8/16 15:50	71
149	1/8/16 15:50	54
151	1/6/16 17:49	9
151	1/6/16 17:49	12
151	1/6/16 17:49	13
152	1/3/16 12:36	84
152	1/3/16 12:36	65
153	1/6/16 8:57	1
153	1/6/16 8:57	56
154	1/6/16 14:28	54
154	1/6/16 14:28	64
155	1/7/16 18:34	12
155	1/7/16 18:34	69
156	1/6/16 19:21	37
157	1/4/16 14:54	8
157	1/4/16 14:54	8
157	1/4/16 14:54	61
158	1/8/16 12:23	9
158	1/8/16 12:23	29
158	1/8/16 12:23	72
158	1/8/16 12:23	54
158	1/8/16 12:23	47
159	1/4/16 12:33	77

produce			
snacks			
other			
produce			
snacks			
dry_goods			
beverages			
dairy			
frozen			
produce			
dairy			
dry_goods			
produce			
snacks			
snacks			
snacks			
dry_goods			
snacks			
produce			
dry_goods			
frozen			
dairy			
dry_goods			
snacks			
dairy			
snacks			
dry_goods			
snacks			
dry_goods			
dairy			
produce			
dairy			
beverages			
dry_goods			
produce			
produce			
dry_goods			
dairy			
produce			
dairy			
dry_goods			
frozen			
produce			
produce			
produce			
produce			
dairy			
dry_goods			
dairy			
dairy			
produce			





159	1/4/16 12:33	25
159	1/4/16 12:33	78
160	1/4/16 19:26	1
160	1/4/16 19:26	13
160	1/4/16 19:26	32
161	1/3/16 14:04	40
162	1/5/16 13:24	55
162	1/5/16 13:24	61
163	1/3/16 10:11	3
163	1/3/16 10:11	6
163	1/3/16 10:11	62
163	1/3/16 10:11	26
163	1/3/16 10:11	51
163	1/3/16 10:11	60
164	1/6/16 19:21	2
164	1/6/16 19:21	31
164	1/6/16 19:21	58
165	1/3/16 19:02	28
165	1/3/16 19:02	57
166	1/4/16 18:50	63
166	1/4/16 18:50	70
167	1/5/16 16:48	79
168	1/6/16 17:28	39
168	1/6/16 17:28	65
169	1/6/16 8:02	37
169	1/6/16 8:02	44
170	1/4/16 16:24	2
170	1/4/16 16:24	74
170	1/4/16 16:24	9
171	1/8/16 17:54	78
171	1/8/16 17:54	43
171	1/8/16 17:54	18
172	1/8/16 8:01	46
172	1/8/16 8:01	82
173	1/5/16 8:59	42
173	1/5/16 8:59	59
173	1/5/16 8:59	71
174	1/4/16 18:19	56
174	1/4/16 18:19	49
174	1/4/16 18:19	30
175	1/3/16 11:58	15
175	1/3/16 11:58	48
175	1/3/16 11:58	79
176	1/6/16 16:29	71
176	1/6/16 16:29	53
176	1/6/16 16:29	63
176	1/6/16 16:29	77
177	1/3/16 11:18	66
177	1/3/16 11:18	44
177	1/3/16 11:18	43
178	1/6/16 13:49	39

meat			
dry_goods			
produce			
beverages			
produce			
frozen			
dairy			
produce			
produce			
produce			
dry_goods			
beverages			
dairy			
produce			
produce			
snacks			
dry_goods			
dry_goods			
produce			
produce			
dry_goods			
dry_goods			
snacks			
produce			
frozen			
frozen			
produce			
snacks			
produce			
dry_goods			
bread			
dry_goods			
frozen			
dry_goods			
produce			
produce			
dry_goods			
dry_goods			
dairy			
dairy			
snacks			
dry_goods			
dry_goods			
dry_goods			
dairy			
produce			
produce			
produce			
frozen			
bread			
snacks			







178	1/6/16 13:49	51
179	1/8/16 12:40	22
179	1/8/16 12:40	36
180	1/7/16 8:11	26
182	1/6/16 12:53	36
182	1/6/16 12:53	29
182	1/6/16 12:53	6
183	1/5/16 14:14	16
184	1/8/16 10:19	6
185	1/7/16 11:06	11
185	1/7/16 11:06	22
186	1/6/16 9:15	74
186	1/6/16 9:15	54
187	1/8/16 11:50	16
187	1/8/16 11:50	23
187	1/8/16 11:50	4
187	1/8/16 11:50	69
188	1/3/16 17:59	12
190	1/8/16 8:59	27
190	1/8/16 8:59	24
190	1/8/16 8:59	33
190	1/8/16 8:59	77
190	1/8/16 8:59	40
191	1/8/16 10:53	78
191	1/8/16 10:53	32
192	1/4/16 19:29	22
192	1/4/16 19:29	73
193	1/6/16 11:17	62
193	1/6/16 11:17	61
194	1/8/16 19:28	54
194	1/8/16 19:28	45
194	1/8/16 19:28	31
195	1/7/16 12:35	65
195	1/7/16 12:35	32
195	1/7/16 12:35	34
195	1/7/16 12:35	59
196	1/8/16 16:38	66
199	1/4/16 8:30	34
199	1/4/16 8:30	60
200	1/8/16 18:16	46
201	1/3/16 8:12	9
201	1/3/16 8:12	24
202	1/7/16 16:44	81
202	1/7/16 16:44	80
202	1/7/16 16:44	43
203	1/8/16 11:59	67
203	1/8/16 11:59	60
203	1/8/16 11:59	14
204	1/8/16 11:19	27
204	1/8/16 11:19	41
204	1/8/16 11:19	22

dairy			
meat			
canned_jarred_goods			
beverages			
canned_jarred_goods			
dairy			
produce			
snacks			
produce			
produce			
meat			
snacks			
dairy			
snacks			
dry_goods			
produce			
dry_goods			
dairy			
other			
dry_goods			
canned_jarred_goods			
produce			
frozen			
dry_goods			
produce			
meat			
snacks			
dry_goods			
produce			
dairy			
frozen			
snacks			
produce			
produce			
canned_jarred_goods			
produce			
produce			
canned_jarred_goods			
produce			
frozen			
produce			
dry_goods			
dry_goods			
dry_goods			
bread			
dry_goods			
produce			
snacks			
other			
frozen			
meat			





205	1/7/16 15:36	51
205	1/7/16 15:36	29
206	1/5/16 19:33	67
207	1/3/16 19:31	58
207	1/3/16 19:31	70
207	1/3/16 19:31	41
207	1/3/16 19:31	84
209	1/6/16 19:33	14
209	1/6/16 19:33	26
209	1/6/16 19:33	36
210	1/7/16 11:31	11
210	1/7/16 11:31	83
210	1/7/16 11:31	82
211	1/5/16 13:57	45
211	1/5/16 13:57	68
211	1/5/16 13:57	23
212	1/5/16 11:25	60
213	1/4/16 8:06	70
213	1/4/16 8:06	4
213	1/4/16 8:06	22
214	1/3/16 15:25	13
214	1/3/16 15:25	40
214	1/3/16 15:25	60
214	1/3/16 15:25	41
215	1/4/16 15:11	33
215	1/4/16 15:11	56
216	1/5/16 18:52	72
216	1/5/16 18:52	32
216	1/5/16 18:52	27
216	1/5/16 18:52	40
216	1/5/16 18:52	36
217	1/4/16 13:44	12
217	1/4/16 13:44	52
217	1/4/16 13:44	52
218	1/8/16 19:23	33
218	1/8/16 19:23	45
220	1/3/16 16:03	14
220	1/3/16 16:03	2
221	1/4/16 14:29	15
221	1/4/16 14:29	84
221	1/4/16 14:29	77
222	1/3/16 13:24	41
224	1/6/16 17:53	8
224	1/6/16 17:53	36
224	1/6/16 17:53	16
225	1/6/16 18:56	65
226	1/7/16 17:18	32
226	1/7/16 17:18	54
226	1/7/16 17:18	52
226	1/7/16 17:18	40
227	1/3/16 8:02	20

dairy			
dairy			
dry_goods			
dry_goods			
dry_goods			
frozen			
dry_goods			
snacks			
beverages			
canned_jarred_goods			
produce			
snacks			
dry_goods			
frozen			
produce			
dry_goods			
produce			
dry_goods			
produce			
meat			
beverages			
frozen			
produce			
frozen			
canned_jarred_goods			
dry_goods			
dry_goods			
produce			
other			
frozen			
canned_jarred_goods			
dairy			
dairy			
dairy			
canned_jarred_goods			
frozen			
snacks			
produce			
snacks			
dry_goods			
produce			
frozen			
produce			
canned_jarred_goods			
snacks			
produce			
produce			
dairy			
dairy			
frozen			
snacks			







228	1/6/16 9:52	12
229	1/6/16 13:36	68
229	1/6/16 13:36	19
229	1/6/16 13:36	26
229	1/6/16 13:36	70
229	1/6/16 13:36	16
229	1/6/16 13:36	79
229	1/6/16 13:36	15
231	1/7/16 16:47	38
231	1/7/16 16:47	61
232	1/6/16 16:53	32
232	1/6/16 16:53	8
232	1/6/16 16:53	41
233	1/8/16 10:16	10
233	1/8/16 10:16	28
235	1/5/16 12:09	32
235	1/5/16 12:09	22
235	1/5/16 12:09	41
235	1/5/16 12:09	21
236	1/4/16 15:47	78
236	1/4/16 15:47	55
236	1/4/16 15:47	11
236	1/4/16 15:47	32
237	1/4/16 19:59	47
237	1/4/16 19:59	20
238	1/7/16 9:19	66
238	1/7/16 9:19	40
239	1/5/16 13:08	36
239	1/5/16 13:08	9
239	1/5/16 13:08	66
239	1/5/16 13:08	17
240	1/3/16 18:19	42
240	1/3/16 18:19	17
240	1/3/16 18:19	52
240	1/3/16 18:19	59
240	1/3/16 18:19	66
242	1/4/16 11:31	82
242	1/4/16 11:31	1
243	1/3/16 9:02	12
243	1/3/16 9:02	79
243	1/3/16 9:02	1
243	1/3/16 9:02	11
244	1/7/16 17:21	70
244	1/7/16 17:21	43
245	1/6/16 8:55	26
245	1/6/16 8:55	72
245	1/6/16 8:55	78
245	1/6/16 8:55	16
245	1/6/16 8:55	9
245	1/6/16 8:55	83
246	1/7/16 19:11	8

dairy			
produce			
snacks			
beverages			
dry_goods			
snacks			
dry_goods			
snacks			
frozen			
produce			
produce			
produce			
frozen			
produce			
dry_goods			
produce			
meat			
frozen			
snacks			
dry_goods			
dairy			
produce			
produce			
dairy			
snacks			
produce			
frozen			
canned_jarred_goods			
produce			
produce			
other			
produce			
other			
dairy			
produce			
produce			
dry_goods			
produce			
dairy			
dry_goods			
produce			
produce			
dry_goods			
bread			
beverages			
dry_goods			
dry_goods			
snacks			
produce			
snacks			
produce			





246	1/7/16 19:11	43
247	1/7/16 14:30	55
247	1/7/16 14:30	46
249	1/6/16 14:22	80
249	1/6/16 14:22	53
249	1/6/16 14:22	45
249	1/6/16 14:22	23
250	1/5/16 15:07	52
250	1/5/16 15:07	57
251	1/4/16 8:01	7
251	1/4/16 8:01	17
252	1/4/16 10:12	64
252	1/4/16 10:12	80
253	1/6/16 14:15	41
253	1/6/16 14:15	74
253	1/6/16 14:15	7
254	1/4/16 13:55	72
254	1/4/16 13:55	3
254	1/4/16 13:55	77
254	1/4/16 13:55	60
255	1/8/16 18:04	26
256	1/3/16 14:16	54
256	1/3/16 14:16	84
258	1/4/16 15:24	39
258	1/4/16 15:24	26
258	1/4/16 15:24	65
258	1/4/16 15:24	2
258	1/4/16 15:24	39
259	1/8/16 18:09	64
259	1/8/16 18:09	12
259	1/8/16 18:09	64
259	1/8/16 18:09	30
260	1/8/16 11:57	84
260	1/8/16 11:57	18

bread			
dairy			
frozen			
dry_goods			
dairy			
frozen			
dry_goods			
dairy			
produce			
produce			
other			
produce			
dry_goods			
frozen			
snacks			
produce			
dry_goods			
produce			
produce			
produce			
beverages			
dairy			
dry_goods			
snacks			
beverages			
produce			
produce			
snacks			
produce			
dairy			
produce			
dairy			
dry_goods			
dry_goods			







product_id	product_name	product_type	unit
1	strawberry	produce	lb
2	apple_fuji	produce	lb
3	orange	produce	lb
4	clementines	produce	lb
5	blood_orange	produce	lb
6	blood_lime	produce	lb
7	tayberry	produce	lb
8	pluot	produce	lb
9	tangelo	produce	lb
10	pomello	produce	lb
11	pineberry	produce	lb
12	vegan_egg_substitut	dairy	oz
13	asparagus_water	beverages	fl_oz
14	falafel_chips	snacks	oz
15	sweet_potato_hocke	snacks	oz
16	arugula_crisps	snacks	oz
17	bottled_organic_air	other	cubic_ft
18	chia_seeds	dry_goods	oz
19	all_natural_cheese_r	snacks	oz
20	sriracha_popcorn	snacks	oz
21	buttermilk_pancake_	snacks	oz
22	smoked_trout	meat	lb
23	pine_nuts	dry_goods	oz
24	dried_apricots	dry_goods	oz
25	smoked_salmon	meat	lb
26	green_juice	beverages	fl_oz
27	celery_foam	other	fl_oz
28	protein_powder	dry_goods	oz
29	asiago_cheese	dairy	oz
30	camembert_cheese	dairy	oz
31	almond_nut_thins	snacks	oz
32	arugula	produce	lb
33	white_bean_and_ba	canned_jarred_goods	oz
34	edamame_hummus	canned_jarred_goods	oz
35	eggplant_caponata	frozen	oz
36	olive_tapanade	canned_jarred_goods	oz
37	chocolate_ganache_	frozen	oz
38	pork_gyoza	frozen	oz
39	table_wafers	snacks	oz
40	vegetable_gyoza	frozen	oz
41	frozen_tamales	frozen	oz
42	porchini_mushrooms	produce	lb
43	garlic_naam	bread	oz
44	frozen_clams	frozen	oz
45	butter_chicken	frozen	oz
46	frozen_salmon	frozen	oz
47	paneer	dairy	oz
48	organic_mung_bean	dry_goods	oz
49	silken_tofu	dairy	oz
50	white_cheddar	dairy	oz

price_unit	wholesale	current_inventory
3.28	1.77	13
1.44	0.43	2
1.02	0.37	2
1.19	0.44	44
3.86	1.66	19
1.69	0.91	10
2.54	0.89	25
3.99	1.44	26
0.96	0.56	32
0.96	0.57	33
4.89	2	42
1.15	0.58	41
0.38	0.21	42
0.53	0.29	2
0.43	0.17	35
2.43	1.19	32
2.67	0.96	38
0.67	0.36	30
0.41	0.16	13
1.11	0.37	26
2.59	1.24	21
19.59	9.01	3
0.91	0.3	42
0.56	0.26	34
39.99	20	5
0.25	0.13	15
6	4.29	7
0.69	0.33	2
0.63	0.25	20
0.91	0.54	15
0.61	0.21	20
2.99	1.05	10
0.97	0.55	2
0.95	0.35	13
1.39	0.74	25
1.12	0.57	36
3.52	1.09	40
1.19	0.65	31
0.59	0.21	32
1.17	0.6	28
1.09	0.58	23
5.99	3.41	44
0.99	0.36	38
4.99	2.54	39
1.29	0.57	4
16.99	9.17	5
1.17	0.66	43
0.89	0.31	17
0.67	0.33	16
0.77	0.36	24

51	english_cheddar	dairy	oz
52	cranberry_infused_g	dairy	oz
53	black_pepper_goat_	dairy	oz
54	aged_gouda	dairy	oz
55	parmigiano_reggiano	dairy	oz
56	organic_glazed_waln	dry_goods	oz
57	kumatos	produce	lb
58	pumpkin_spice_pum	dry_goods	oz
59	medjool_dates	produce	oz
60	satsuma_oranges	produce	lb
61	grapefruits	produce	lb
62	goji_berries	dry_goods	oz
63	organic_garlic	produce	lb
64	white_onions	produce	lb
65	purple_onions	produce	lb
66	yellow_onions	produce	lb
67	barberries	dry_goods	oz
68	salmonberries	produce	lb
69	wholewheat_cousco	dry_goods	oz
70	orzo	dry_goods	oz
71	autumn_pilaf	dry_goods	oz
72	wild_rice	dry_goods	oz
73	cheddar_corn_sticks	snacks	oz
74	poppy_onion_sesam	snacks	oz
75	rice_crackers	snacks	oz
76	cheddar_wheels	snacks	oz
77	sugar_snap_peas	produce	lb
78	garam_masala	dry_goods	oz
79	darjeeling_black_tea	dry_goods	oz
80	rooibos_tea	dry_goods	oz
81	irish_breakfast_black	dry_goods	oz
82	mango_black_tea	dry_goods	oz
83	soy_ginger_trail_mix	snacks	oz
84	buckwheat_flour	dry_goods	lb
85	cranberry_milk	beverages	fl_oz

0.89	0.53	15
1.79	0.72	15
1.69	0.63	11
1.23	0.69	38
1.1	0.39	30
0.86	0.4	11
3.6	1.19	20
0.96	0.45	19
4.29	1.37	21
2.06	0.87	39
0.55	0.22	15
1.17	0.56	19
3.57	1.32	24
1.22	0.44	2
1.32	0.45	20
1.12	0.44	11
1.74	0.87	34
0.67	0.29	11
0.27	0.09	20
0.19	0.1	3
0.24	0.11	42
0.27	0.16	12
0.69	0.32	14
0.75	0.4	44
0.57	0.3	0
0.69	0.24	35
2.67	1.52	11
1.44	0.49	40
3.3	1.39	15
3.49	1.85	0
2.99	1.7	40
3.08	1.29	22
0.39	0.22	30
2.59	1.22	2
0.08	0.04	36

1.Finding product_type for each product_id using VLOOKUP					2.Finding the pro
product_id	produce_type				product_type
3	produce				produce
61	produce				dry_goods
23	dry_goods				dairy
52	dairy				snacks
4	produce				frozen
76	snacks				other
45	frozen				meat
17	other				canned_jarred_g
31	snacks				beverages
21	snacks				bread
47	dairy				
44	frozen				
8	produce				
60	produce				
38	frozen				
64	produce				
12	dairy				
14	snacks				
17	other				
70	dry_goods				
10	produce				
18	dry_goods				
77	produce				
25	meat				
47	dairy				
36	canned_jarred_goods				
10	produce				
66	produce				
21	snacks				
42	produce				
56	dry_goods				
29	dairy				
36	canned_jarred_goods				
41	frozen				
22	meat				
73	snacks				
41	frozen				
76	snacks				
71	dry_goods				
6	produce				
6	produce				
29	dairy				
10	produce				
47	dairy				



68	produce				
52	dairy				
41	frozen				
14	snacks				
27	other				
67	dry_goods				
13	beverages				
55	dairy				
69	dry_goods				
54	dairy				
3	produce				
83	snacks				
26	beverages				
22	meat				
5	produce				
32	produce				
47	dairy				
51	dairy				
40	frozen				
48	dry_goods				
28	dry_goods				
68	produce				
3	produce				
65	produce				
7	produce				
67	dry_goods				
7	produce				
3	produce				
72	dry_goods				
84	dry_goods				
65	produce				
14	snacks				
44	frozen				
59	produce				
63	produce				
52	dairy				
19	snacks				
8	produce				
69	dry_goods				
66	produce				
24	dry_goods				
7	produce				
1	produce				
17	other				
52	dairy				
61	produce				
62	dry_goods				
77	produce				





2	produce				
41	frozen				
56	dry_goods				
75	snacks				
75	snacks				
40	frozen				
39	snacks				
51	dairy				
52	dairy				
63	produce				
43	bread				
28	dry_goods				
30	dairy				
23	dry_goods				
18	dry_goods				
20	snacks				
67	dry_goods				
53	dairy				
56	dry_goods				
80	dry_goods				
50	dairy				
13	beverages				
44	frozen				
61	produce				
33	canned_jarred_goods				
36	canned_jarred_goods				
29	dairy				
20	snacks				
79	dry_goods				
8	produce				
76	snacks				
62	dry_goods				
70	dry_goods				
81	dry_goods				
64	produce				
11	produce				
79	dry_goods				
37	frozen				
39	snacks				
27	other				
4	produce				
51	dairy				
13	beverages				
78	dry_goods				
22	meat				
31	snacks				
46	frozen				
46	frozen				



56	dry_goods				
16	snacks				
16	snacks				
70	dry_goods				
22	meat				
50	dairy				
29	dairy				
58	dry_goods				
39	snacks				
55	dairy				
49	dairy				
67	dry_goods				
36	canned_jarred_goods				
82	dry_goods				
55	dairy				
60	produce				
62	dry_goods				
21	snacks				
81	dry_goods				
56	dry_goods				
74	snacks				
30	dairy				
19	snacks				
67	dry_goods				
42	produce				
81	dry_goods				
24	dry_goods				
20	snacks				
21	snacks				
36	canned_jarred_goods				
11	produce				
72	dry_goods				
57	produce				
73	snacks				
28	dry_goods				
76	snacks				
25	meat				
2	produce				
12	dairy				
9	produce				
10	produce				
16	snacks				
65	produce				
17	other				
20	snacks				
14	snacks				
27	other				
60	produce				



67	dry_goods				
77	produce				
79	dry_goods				
81	dry_goods				
9	produce				
42	produce				
69	dry_goods				
76	snacks				
63	produce				
78	dry_goods				
82	dry_goods				
69	dry_goods				
81	dry_goods				
78	dry_goods				
80	dry_goods				
58	dry_goods				
57	produce				
19	snacks				
26	beverages				
13	beverages				
2	produce				
35	frozen				
6	produce				
23	dry_goods				
46	frozen				
21	snacks				
11	produce				
64	produce				
15	snacks				
76	snacks				
7	produce				
40	frozen				
38	frozen				
36	canned_jarred_goods				
75	snacks				
35	frozen				
15	snacks				
40	frozen				
78	dry_goods				
2	produce				
64	produce				
13	beverages				
78	dry_goods				
48	dry_goods				
17	other				
15	snacks				
48	dry_goods				
39	snacks				



35	frozen				
57	produce				
72	dry_goods				
51	dairy				
75	snacks				
42	produce				
17	other				
81	dry_goods				
24	dry_goods				
57	produce				
57	produce				
46	frozen				
38	frozen				
36	canned_jarred_goods				
34	canned_jarred_goods				
60	produce				
12	dairy				
5	produce				
27	other				
25	meat				
78	dry_goods				
37	frozen				
59	produce				
70	dry_goods				
46	frozen				
11	produce				
72	dry_goods				
65	produce				
27	other				
77	produce				
13	beverages				
11	produce				
37	frozen				
9	produce				
23	dry_goods				
40	frozen				
75	snacks				
8	produce				
18	dry_goods				
48	dry_goods				
76	snacks				
53	dairy				
63	produce				
7	produce				
32	produce				
20	snacks				
63	produce				
27	other				





49	dairy				
58	dry_goods				
19	snacks				
83	snacks				
44	frozen				
4	produce				
40	frozen				
5	produce				
36	canned_jarred_goods				
15	snacks				
21	snacks				
55	dairy				
71	dry_goods				
55	dairy				
4	produce				
59	produce				
72	dry_goods				
33	canned_jarred_goods				
49	dairy				
69	dry_goods				
15	snacks				
11	produce				
73	snacks				
27	other				
10	produce				
39	snacks				
84	dry_goods				
13	beverages				
55	dairy				
40	frozen				
5	produce				
54	dairy				
69	dry_goods				
2	produce				
31	snacks				
73	snacks				
31	snacks				
24	dry_goods				
73	snacks				
77	produce				
84	dry_goods				
46	frozen				
52	dairy				
79	dry_goods				
31	snacks				
52	dairy				
39	snacks				
58	dry_goods				



15	snacks				
71	dry_goods				
54	dairy				
9	produce				
12	dairy				
13	beverages				
84	dry_goods				
65	produce				
1	produce				
56	dry_goods				
54	dairy				
64	produce				
12	dairy				
69	dry_goods				
37	frozen				
8	produce				
8	produce				
61	produce				
9	produce				
29	dairy				
72	dry_goods				
54	dairy				
47	dairy				
77	produce				
25	meat				
78	dry_goods				
1	produce				
13	beverages				
32	produce				
40	frozen				
55	dairy				
61	produce				
3	produce				
6	produce				
62	dry_goods				
26	beverages				
51	dairy				
60	produce				
2	produce				
31	snacks				
58	dry_goods				
28	dry_goods				
57	produce				
63	produce				
70	dry_goods				
79	dry_goods				
39	snacks				
65	produce				



37	frozen				
44	frozen				
2	produce				
74	snacks				
9	produce				
78	dry_goods				
43	bread				
18	dry_goods				
46	frozen				
82	dry_goods				
42	produce				
59	produce				
71	dry_goods				
56	dry_goods				
49	dairy				
30	dairy				
15	snacks				
48	dry_goods				
79	dry_goods				
71	dry_goods				
53	dairy				
63	produce				
77	produce				
66	produce				
44	frozen				
43	bread				
39	snacks				
51	dairy				
22	meat				
36	canned_jarred_goods				
26	beverages				
36	canned_jarred_goods				
29	dairy				
6	produce				
16	snacks				
6	produce				
11	produce				
22	meat				
74	snacks				
54	dairy				
16	snacks				
23	dry_goods				
4	produce				
69	dry_goods				
12	dairy				
27	other				
24	dry_goods				
33	canned_jarred_goods				



77	produce				
40	frozen				
78	dry_goods				
32	produce				
22	meat				
73	snacks				
62	dry_goods				
61	produce				
54	dairy				
45	frozen				
31	snacks				
65	produce				
32	produce				
34	canned_jarred_goods				
59	produce				
66	produce				
34	canned_jarred_goods				
60	produce				
46	frozen				
9	produce				
24	dry_goods				
81	dry_goods				
80	dry_goods				
43	bread				
67	dry_goods				
60	produce				
14	snacks				
27	other				
41	frozen				
22	meat				
51	dairy				
29	dairy				
67	dry_goods				
58	dry_goods				
70	dry_goods				
41	frozen				
84	dry_goods				
14	snacks				
26	beverages				
36	canned_jarred_goods				
11	produce				
83	snacks				
82	dry_goods				
45	frozen				
68	produce				
23	dry_goods				
60	produce				
70	dry_goods				





4	produce				
22	meat				
13	beverages				
40	frozen				
60	produce				
41	frozen				
33	canned_jarred_goods				
56	dry_goods				
72	dry_goods				
32	produce				
27	other				
40	frozen				
36	canned_jarred_goods				
12	dairy				
52	dairy				
52	dairy				
33	canned_jarred_goods				
45	frozen				
14	snacks				
2	produce				
15	snacks				
84	dry_goods				
77	produce				
41	frozen				
8	produce				
36	canned_jarred_goods				
16	snacks				
65	produce				
32	produce				
54	dairy				
52	dairy				
40	frozen				
20	snacks				
12	dairy				
68	produce				
19	snacks				
26	beverages				
70	dry_goods				
16	snacks				
79	dry_goods				
15	snacks				
38	frozen				
61	produce				
32	produce				
8	produce				
41	frozen				
10	produce				
28	dry_goods				



32	produce				
22	meat				
41	frozen				
21	snacks				
78	dry_goods				
55	dairy				
11	produce				
32	produce				
47	dairy				
20	snacks				
66	produce				
40	frozen				
36	canned_jarred_goods				
9	produce				
66	produce				
17	other				
42	produce				
17	other				
52	dairy				
59	produce				
66	produce				
82	dry_goods				
1	produce				
12	dairy				
79	dry_goods				
1	produce				
11	produce				
70	dry_goods				
43	bread				
26	beverages				
72	dry_goods				
78	dry_goods				
16	snacks				
9	produce				
83	snacks				
8	produce				
43	bread				
55	dairy				
46	frozen				
80	dry_goods				
53	dairy				
45	frozen				
23	dry_goods				
52	dairy				
57	produce				
7	produce				
17	other				
64	produce				



80	dry_goods				
41	frozen				
74	snacks				
7	produce				
72	dry_goods				
3	produce				
77	produce				
60	produce				
26	beverages				
54	dairy				
84	dry_goods				
39	snacks				
26	beverages				
65	produce				
2	produce				
39	snacks				
64	produce				
12	dairy				
64	produce				
30	dairy				
84	dry_goods				
18	dry_goods				



1.Finding unit price using vlookup		
Product_id	Price_unit	
3	1.02	
61	0.55	
23	0.91	
52	1.79	
4	1.19	
76	0.69	
45	1.29	
17	2.67	
31	0.61	
21	2.59	
47	1.17	
44	4.99	
8	3.99	
60	2.06	
38	1.19	
64	1.22	
12	1.15	
14	0.53	
17	2.67	
70	0.19	
10	0.96	
18	0.67	
77	2.67	
25	39.99	
47	1.17	
36	1.12	
10	0.96	
66	1.12	
21	2.59	
42	5.99	
56	0.86	
29	0.63	
36	1.12	
41	1.09	
22	19.59	
73	0.69	
41	1.09	
76	0.69	
71	0.24	
6	1.69	
6	1.69	
29	0.63	
10	0.96	
47	1.17	
68	0.67	

2.Finding Average of unit_price top 3 product_name using pivot table			
Product_name	Avg_unit_price	Product_name	Avg_unit_price
smoked_salmon	39.99	smoked_salmon	39.99
smoked_trout	19.59	smoked_trout	19.59
frozen_salmon	16.99	frozen_salmon	16.99
celery_foam	6		
porchini_mushrooms	5.99		
frozen_clams	4.99		
pineberry	4.89		
medjool_dates	4.29		
pluot	3.99		
blood_orange	3.86		
kumatos	3.6		
organic_garlic	3.57		
chocolate_ganache_torte	3.52		
rooibos_tea	3.49		
darjeeling_black_tea	3.3		
strawberry	3.28		
mango_black_tea	3.08		
arugula	2.99		
irish_breakfast_black_tea	2.99		
bottled_organic_air	2.67		
sugar_snap_peas	2.67		
buckwheat_flour	2.59		
buttermilk_pancake_crunchies	2.59		
tayberry	2.54		
arugula_crisps	2.43		
satsuma_oranges	2.06		
cranberry_infused_goat_cheese	1.79		
barberries	1.74		
black_pepper_goat_cheese	1.69		
blood_lime	1.69		
apple_fuji	1.44		
garam_masala	1.44		
eggplant_caponata	1.39		
purple_onions	1.32		
butter_chicken	1.29		
aged_gouda	1.23		
white_onions	1.22		
clementines	1.19		
pork_gyoza	1.19		
goji_berries	1.17		
paneer	1.17		
vegetable_gyoza	1.17		
vegan_egg_substitute	1.15		
olive_tapanade	1.12		
yellow_onions	1.12		



52	1.79
41	1.09
14	0.53
27	6
67	1.74
13	0.38
55	1.1
69	0.27
54	1.23
3	1.02
83	0.39
26	0.25
22	19.59
5	3.86
32	2.99
47	1.17
51	0.89
40	1.17
48	0.89
28	0.69
68	0.67
3	1.02
65	1.32
7	2.54
67	1.74
7	2.54
3	1.02
72	0.27
84	2.59
65	1.32
14	0.53
44	4.99
59	4.29
63	3.57
52	1.79
19	0.41
8	3.99
69	0.27
66	1.12
24	0.56
7	2.54
1	3.28
17	2.67
52	1.79
61	0.55
62	1.17
77	2.67
2	1.44



41	1.09
56	0.86
75	0.57
75	0.57
40	1.17
39	0.59
51	0.89
52	1.79
63	3.57
43	0.99
28	0.69
30	0.91
23	0.91
18	0.67
20	1.11
67	1.74
53	1.69
56	0.86
80	3.49
50	0.77
13	0.38
44	4.99
61	0.55
33	0.97
36	1.12
29	0.63
20	1.11
79	3.3
8	3.99
76	0.69
62	1.17
70	0.19
81	2.99
64	1.22
11	4.89
79	3.3
37	3.52
39	0.59
27	6
4	1.19
51	0.89
13	0.38
78	1.44
22	19.59
31	0.61
46	16.99
46	16.99
56	0.86



16	2.43
16	2.43
70	0.19
22	19.59
50	0.77
29	0.63
58	0.96
39	0.59
55	1.1
49	0.67
67	1.74
36	1.12
82	3.08
55	1.1
60	2.06
62	1.17
21	2.59
81	2.99
56	0.86
74	0.75
30	0.91
19	0.41
67	1.74
42	5.99
81	2.99
24	0.56
20	1.11
21	2.59
36	1.12
11	4.89
72	0.27
57	3.6
73	0.69
28	0.69
76	0.69
25	39.99
2	1.44
12	1.15
9	0.96
10	0.96
16	2.43
65	1.32
17	2.67
20	1.11
14	0.53
27	6
60	2.06
67	1.74



77	2.67
79	3.3
81	2.99
9	0.96
42	5.99
69	0.27
76	0.69
63	3.57
78	1.44
82	3.08
69	0.27
81	2.99
78	1.44
80	3.49
58	0.96
57	3.6
19	0.41
26	0.25
13	0.38
2	1.44
35	1.39
6	1.69
23	0.91
46	16.99
21	2.59
11	4.89
64	1.22
15	0.43
76	0.69
7	2.54
40	1.17
38	1.19
36	1.12
75	0.57
35	1.39
15	0.43
40	1.17
78	1.44
2	1.44
64	1.22
13	0.38
78	1.44
48	0.89
17	2.67
15	0.43
48	0.89
39	0.59
35	1.39





57	3.6
72	0.27
51	0.89
75	0.57
42	5.99
17	2.67
81	2.99
24	0.56
57	3.6
57	3.6
46	16.99
38	1.19
36	1.12
34	0.95
60	2.06
12	1.15
5	3.86
27	6
25	39.99
78	1.44
37	3.52
59	4.29
70	0.19
46	16.99
11	4.89
72	0.27
65	1.32
27	6
77	2.67
13	0.38
11	4.89
37	3.52
9	0.96
23	0.91
40	1.17
75	0.57
8	3.99
18	0.67
48	0.89
76	0.69
53	1.69
63	3.57
7	2.54
32	2.99
20	1.11
63	3.57
27	6
49	0.67



58	0.96
19	0.41
83	0.39
44	4.99
4	1.19
40	1.17
5	3.86
36	1.12
15	0.43
21	2.59
55	1.1
71	0.24
55	1.1
4	1.19
59	4.29
72	0.27
33	0.97
49	0.67
69	0.27
15	0.43
11	4.89
73	0.69
27	6
10	0.96
39	0.59
84	2.59
13	0.38
55	1.1
40	1.17
5	3.86
54	1.23
69	0.27
2	1.44
31	0.61
73	0.69
31	0.61
24	0.56
73	0.69
77	2.67
84	2.59
46	16.99
52	1.79
79	3.3
31	0.61
52	1.79
39	0.59
58	0.96
15	0.43



71	0.24
54	1.23
9	0.96
12	1.15
13	0.38
84	2.59
65	1.32
1	3.28
56	0.86
54	1.23
64	1.22
12	1.15
69	0.27
37	3.52
8	3.99
8	3.99
61	0.55
9	0.96
29	0.63
72	0.27
54	1.23
47	1.17
77	2.67
25	39.99
78	1.44
1	3.28
13	0.38
32	2.99
40	1.17
55	1.1
61	0.55
3	1.02
6	1.69
62	1.17
26	0.25
51	0.89
60	2.06
2	1.44
31	0.61
58	0.96
28	0.69
57	3.6
63	3.57
70	0.19
79	3.3
39	0.59
65	1.32
37	3.52



44	4.99
2	1.44
74	0.75
9	0.96
78	1.44
43	0.99
18	0.67
46	16.99
82	3.08
42	5.99
59	4.29
71	0.24
56	0.86
49	0.67
30	0.91
15	0.43
48	0.89
79	3.3
71	0.24
53	1.69
63	3.57
77	2.67
66	1.12
44	4.99
43	0.99
39	0.59
51	0.89
22	19.59
36	1.12
26	0.25
36	1.12
29	0.63
6	1.69
16	2.43
6	1.69
11	4.89
22	19.59
74	0.75
54	1.23
16	2.43
23	0.91
4	1.19
69	0.27
12	1.15
27	6
24	0.56
33	0.97
77	2.67





40	1.17
78	1.44
32	2.99
22	19.59
73	0.69
62	1.17
61	0.55
54	1.23
45	1.29
31	0.61
65	1.32
32	2.99
34	0.95
59	4.29
66	1.12
34	0.95
60	2.06
46	16.99
9	0.96
24	0.56
81	2.99
80	3.49
43	0.99
67	1.74
60	2.06
14	0.53
27	6
41	1.09
22	19.59
51	0.89
29	0.63
67	1.74
58	0.96
70	0.19
41	1.09
84	2.59
14	0.53
26	0.25
36	1.12
11	4.89
83	0.39
82	3.08
45	1.29
68	0.67
23	0.91
60	2.06
70	0.19
4	1.19



22	19.59	
13	0.38	
40	1.17	
60	2.06	
41	1.09	
33	0.97	
56	0.86	
72	0.27	
32	2.99	
27	6	
40	1.17	
36	1.12	
12	1.15	
52	1.79	
52	1.79	
33	0.97	
45	1.29	
14	0.53	
2	1.44	
15	0.43	
84	2.59	
77	2.67	
41	1.09	
8	3.99	
36	1.12	
16	2.43	
65	1.32	
32	2.99	
54	1.23	
52	1.79	
40	1.17	
20	1.11	
12	1.15	
68	0.67	
19	0.41	
26	0.25	
70	0.19	
16	2.43	
79	3.3	
15	0.43	
38	1.19	
61	0.55	
32	2.99	
8	3.99	
41	1.09	
10	0.96	
28	0.69	
32	2.99	



22	19.59	
41	1.09	
21	2.59	
78	1.44	
55	1.1	
11	4.89	
32	2.99	
47	1.17	
20	1.11	
66	1.12	
40	1.17	
36	1.12	
9	0.96	
66	1.12	
17	2.67	
42	5.99	
17	2.67	
52	1.79	
59	4.29	
66	1.12	
82	3.08	
1	3.28	
12	1.15	
79	3.3	
1	3.28	
11	4.89	
70	0.19	
43	0.99	
26	0.25	
72	0.27	
78	1.44	
16	2.43	
9	0.96	
83	0.39	
8	3.99	
43	0.99	
55	1.1	
46	16.99	
80	3.49	
53	1.69	
45	1.29	
23	0.91	
52	1.79	
57	3.6	
7	2.54	
17	2.67	
64	1.22	
80	3.49	



41	1.09	
74	0.75	
7	2.54	
72	0.27	
3	1.02	
77	2.67	
60	2.06	
26	0.25	
54	1.23	
84	2.59	
39	0.59	
26	0.25	
65	1.32	
2	1.44	
39	0.59	
64	1.22	
12	1.15	
64	1.22	
30	0.91	
84	2.59	
18	0.67	





Categorizing the data based on the transaction in 2 types					
Price_unit	unitprice of product less than 1 dollar	Total count		unitprice of product more than 1 dollar	Total Count
1.02	1	53		0	30
0.55	0			1	
0.91	0			1	
1.79	1			0	
1.19	1			0	
0.69	0			1	
1.29	1			0	
2.67	1			0	
0.61	0			1	
2.59	1			0	
1.17	1			0	
4.99	1			0	
3.99	1			0	
2.06	1			0	
1.19	1			0	
1.22	1			0	
1.15	1			0	
0.53	0			1	
2.67	1			0	
0.19	0			1	
0.96	0			1	
0.67	0			1	
2.67	1			0	
39.99	1			0	
1.17	1			0	
1.12	1			0	
0.96	0			1	
1.12	1			0	
2.59	1			0	
5.99	1			0	
0.86	0			1	
0.63	0			1	
1.12	1			0	
1.09	1			0	
19.59	1			0	
0.69	0			1	
1.09	1			0	
0.69	0			1	
0.24	0			1	
1.69	1			0	
1.69	1			0	
0.63	0			1	
0.96	0			1	
1.17	1			0	

0.67	0			1	
1.79	1			0	
1.09	1			0	
0.53	0			1	
6	1			0	
1.74	1			0	
0.38	0			1	
1.1	1			0	
0.27	0			1	
1.23	1			0	
1.02	1			0	
0.39	0			1	
0.25	0			1	
19.59	1			0	
3.86	1			0	
2.99	1			0	
1.17	1			0	
0.89	0			1	
1.17	1			0	
0.89	0			1	
0.69	0			1	
0.67	0			1	
1.02	1			0	
1.32	1			0	
2.54	1			0	
1.74	1			0	
2.54	1			0	
1.02	1			0	
0.27	0			1	
2.59	1			0	
1.32	1			0	
0.53	0			1	
4.99	1			0	
4.29	1			0	
3.57	1			0	
1.79	1			0	
0.41	0			1	
3.99	1			0	
0.27	0			1	

<i>product_name</i>	AVERAGE of price_unit
aged_gouda	1.23
all_natural_chee	0.41
almond_nut_thir	0.61
apple_fuji	1.44
arugula	2.99
arugula_crisps	2.43
asiago_cheese	0.63
asparagus_water	0.38
autumn_pilaf	0.24
barberries	1.74
black_pepper_gc	1.69
blood_lime	1.69
blood_orange	3.86
bottled_organic_	2.67
buckwheat_flour	2.59
butter_chicken	1.29
buttermilk_panci	2.59
camembert_chee	0.91
celery_foam	6
cheddar_corn_st	0.69
cheddar_whales	0.69
chia_seeds	0.67
chocolate_ganac	3.52
clementines	1.19
cranberry_infuse	1.79
cranberry_milk	0.08
darjeeling_black_	3.3
dried_apricots	0.56
edamame_humn	0.95
eggplant_capona	1.39
english_cheddar	0.89
falafel_chips	0.53
frozen_clams	4.99
frozen_salmon	16.99
frozen_tamales	1.09
garam_masala	1.44
garlic_naam	0.99
goji_berries	1.17
grapefruits	0.55
green_juice	0.25
irish_breakfast_k	2.99
kumatos	3.6
mango_black_te	3.08
medjool_dates	4.29
olive_tapanade	1.12
orange	1.02
organic_garlic	3.57

organic_glazed_v	0.86
organic_mung_b	0.89
orzo	0.19
paneer	1.17
parmigiano_regg	1.1
pine_nuts	0.91
pineberry	4.89
pluot	3.99
pomello	0.96
poppy_onion_se	0.75
porchini_mushro	5.99
pork_gyoza	1.19
protein_powder	0.69
pumpkin_spice_l	0.96
purple_onions	1.32
rice_crackers	0.57
rooibos_tea	3.49
salmonberries	0.67
satsuma_orange:	2.06
silken_tofu	0.67
smoked_salmon	39.99
smoked_trout	19.59
soy_ginger_trail_	0.39
sriracha_popcorr	1.11
strawberry	3.28
sugar_snap_peas	2.67
sweet_potato_ho	0.43
table_wafers	0.59
tangelo	0.96
tayberry	2.54
vegan_egg_subst	1.15
vegetable_gyoza	1.17
white_bean_and	0.97
white_cheddar	0.77
white_onions	1.22
wholewheat_cou	0.27
wild_rice	0.27
yellow_onions	1.12
<b>Grand Total</b>	<b>2.477529412</b>

<i>produce_type</i>	SUM of price_un
beverages	2.4
bread	0.99
canned_jarred_g	7.69
dairy	31.37
dry_goods	79.42
frozen	84.95
meat	158.34
other	31.35
produce	138.41
snacks	40.68
<b>Grand Total</b>	<b>575.6</b>



