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1 1. Number of URLH which are overlapping (Common) in two files.
2 Ans: 129673
3
4 2. For all the URLH which are overlapping, calculate the price difference (wrt :
5 Ans:
6
7 3. Number of Unique categories in both files.
8 Ans:
9     Number of Unique categories in todays files is : 50
10    Number of Unique categories in yesterday's files is : 50
11 4. Display List of categories which is not overlapping (Common) from two given
12 Ans:
13 There is no category which is not overlapping (Common) from two given files
14 []
15 5. Generate the stats with count of urlh for all taxonomies (taxonomy is concat
16 Eg:
17 Cat1 > Subcat1: 3500
18 Cat1 > Subcat2: 2000
19 Cat2 > Subcat3: 8900
20
21 Ans:
22 {'Alcohol > Beers & Coolers': 197,
23  'Alcohol > Cocktail Mixes': 7,
24  'Alcohol > Red Wines': 224,
25  'Alcohol > Rosés': 26,
26  'Alcohol > Specialty Wines & Champagnes': 45,
27  'Alcohol > Spirits': 5,
28  'Alcohol > White Wines': 63,
29  'Ale Beer > Amber/Red Ale': 63,
30  'Ale Beer > Belgian-Style Ale': 142,
31  'Ale Beer > Blond Ale': 59,
32  'Ale Beer > Brown Ale': 24,
33  'Ale Beer > IPA (India Pale Ale)': 389,
34  'Ale Beer > Pale Ale': 115,
35  'Ale Beer > Porter': 38,
36  'Ale Beer > Stout': 85,
37  'Ale Beer > Strong Ale & Barley Wine': 54,
38  'Ale Beer > Wheat Ale': 101,
39  'Allergy & Cold Essentials > Allergy': 52,
40  'Allergy & Cold Essentials > Cough & Cold Medicine': 30,
41  'Allergy & Cold Essentials > Essentials': 34,
42  'Allergy & Cold Essentials > Pain & Fever': 31,
43  'American Whiskey > Other': 87,
44  'American Whiskey > Rye Whiskey': 76,
45  'American Whiskey > Tennessee Whiskey': 31,
46  'American Whiskey > Whiskey': 226,
47  'Babies > Baby Accessories': 253,
48  'Babies > Baby Bath & Body Care': 285,
49  'Babies > Baby First Aid & Vitamins': 197,
50  'Babies > Baby Food & Formula': 1294,
51  'Babies > Diapers & Wipes': 543,
52  'Baby & Child > Baby Accessories': 19,
53  'Baby & Child > Baby Bath & Body Care': 66,
54  'Baby & Child > Baby First Aid & Vitamins': 47.

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55 'Baby & Child > Baby Food & Formula': 25,  
56 'Baby & Child > Diapers & Wipes': 98,  
57 'Bakery > Bakery Desserts': 1048,  
58 'Bakery > Bread': 1194,  
59 'Bakery > Breakfast Bakery': 509,  
60 'Bakery > Buns & Rolls': 417,  
61 'Bakery > Tortillas & Flat Bread': 398,  
62 'Beverages > Cocoa & Drink Mixes': 495,  
63 'Beverages > Coffee': 2052,  
64 'Beverages > Energy & Sports Drinks': 984,  
65 'Beverages > Juice & Nectars': 2224,  
66 'Beverages > Refrigerated': 1189,  
67 'Beverages > Soft Drinks': 1567,  
68 'Beverages > Tea': 1877,  
69 'Beverages > Water, Seltzer & Sparkling Water': 1212,  
70 'Bourbon > Other': 101,  
71 'Bourbon > Small Batch Bourbon': 140,  
72 'Brandy & Cognac > Armagnac': 7,  
73 'Brandy & Cognac > Brandy': 57,  
74 'Brandy & Cognac > Calvados': 11,  
75 'Brandy & Cognac > Cognac': 88,  
76 'Brandy & Cognac > Eau de Vie': 3,  
77 'Brandy & Cognac > Flavored Brandy': 21,  
78 'Brandy & Cognac > Grappa': 7,  
79 'Brandy & Cognac > Other': 2,  
80 'Brandy & Cognac > Pisco': 2,  
81 'Breakfast > Breakfast Bars & Pastries': 393,  
82 'Breakfast > Cereal': 1144,  
83 'Breakfast > Granola': 346,  
84 'Breakfast > Hot Cereal & Pancake Mixes': 557,  
85 'Bulk > Bulk Candies & Chocolates': 77,  
86 'Bulk > Bulk Containers': 5,  
87 'Bulk > Bulk Dried Fruits & Vegetables': 83,  
88 'Bulk > Bulk Flours & Powders': 139,  
89 'Bulk > Bulk Grains, Rice & Dried Beans': 196,  
90 'Bulk > Bulk Grains, Rice & Dried Goods': 57,  
91 'Bulk > Bulk Granola & Cereals': 30,  
92 'Bulk > Bulk Home & Personal Care': 3,  
93 'Bulk > Bulk Nuts & Seeds': 242,  
94 'Bulk > Bulk Pasta': 11,  
95 'Bulk > Bulk Soup Mix': 10,  
96 'Bulk > Bulk Spices & Seasoning': 5,  
97 'Bulk > Bulk Spices & Seasonings': 133,  
98 'Bulk > Bulk Spreads Butter, Honey, Syrup': 19,  
99 'Bulk > Bulk Sugar & Sweeteners': 14,  
100 'Bulk > Bulk Tea & Coffee': 169,  
101 'Bulk > Bulk Trail Mix & Snack Mix': 61,  
102 'Bulk > Other Bulk': 46,  
103 'Canned Goods > Canned & Jarred Vegetables': 950,  
104 'Canned Goods > Canned Fruit & Applesauce': 543,  
105 'Canned Goods > Canned Meals & Beans': 797,  
106 'Canned Goods > Canned Meat & Seafood': 636,  
107 'Canned Goods > Soup, Broth & Bouillon': 1594,  
108 'Champagne & Sparkling Wine > Cava': 38,  
109 'Champagne & Sparkling Wine > Champagne': 107.
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110 'Champagne & Sparkling Wine > Flavored Sparkling Wine': 34,  
111 'Champagne & Sparkling Wine > Muscat/Moscato': 30,  
112 'Champagne & Sparkling Wine > Prosecco': 41,  
113 'Champagne & Sparkling Wine > Sparkling Red Wine': 45,  
114 'Champagne & Sparkling Wine > Sparkling Wine': 165,  
115 'Christmas > Christmas': 5392,  
116 'Cider > Apple Cider': 118,  
117 'Cider > Other Fruit Cider': 81,  
118 'Cider > Perry (Pear Cider)': 22,  
119 'Coolers & Malt Beverages > Flavored Malt Beverages': 60,  
120 'Coolers & Malt Beverages > Wine Coolers': 7,  
121 'Dairy & Eggs > Butter': 289,  
122 'Dairy & Eggs > Cream': 348,  
123 'Dairy & Eggs > Dairy Alternatives': 115,  
124 'Dairy & Eggs > Eggs': 179,  
125 'Dairy & Eggs > Milk': 708,  
126 'Dairy & Eggs > Other Creams & Cheeses': 417,  
127 'Dairy & Eggs > Packaged Cheese': 1605,  
128 'Dairy & Eggs > Refrigerated Pudding & Desserts': 186,  
129 'Dairy & Eggs > Soy & Lactose-Free': 560,  
130 'Dairy & Eggs > Tofu & Meat Alternatives': 72,  
131 'Dairy & Eggs > Yogurt': 1816,  
132 'Deli > Deli Meat': 83,  
133 'Deli > Fresh Dips & Tapenades': 416,  
134 'Deli > Lunch Meat': 827,  
135 'Deli > Newly Added': 5,  
136 'Deli > Prepared Meals': 1273,  
137 'Deli > Prepared Soups & Salads': 439,  
138 'Deli > Specialty Cheeses': 957,  
139 'Deli > Tofu & Meat Alternatives': 103,  
140 'Dessert & Fortified Wine > Aperitif': 25,  
141 'Dessert & Fortified Wine > Bordeaux Blend': 32,  
142 'Dessert & Fortified Wine > Chocolate Wine': 3,  
143 'Dessert & Fortified Wine > Fruit-Based Dessert Wine': 8,  
144 'Dessert & Fortified Wine > Ice Wine': 8,  
145 'Dessert & Fortified Wine > Madeira': 2,  
146 'Dessert & Fortified Wine > Marsala': 3,  
147 'Dessert & Fortified Wine > Mead': 27,  
148 'Dessert & Fortified Wine > Muscat/Muscadine': 10,  
149 'Dessert & Fortified Wine > Other Dessert & Fortified Wines': 11,  
150 'Dessert & Fortified Wine > Port': 72,  
151 'Dessert & Fortified Wine > Red Blend Dessert Wine': 7,  
152 'Dessert & Fortified Wine > Riesling': 13,  
153 'Dessert & Fortified Wine > Sherry': 22,  
154 'Dessert & Fortified Wine > Vermouth': 35,  
155 'Dessert & Fortified Wine > White Blend Dessert Wine': 6,  
156 'Dry Goods & Pasta > Baking Supplies': 1,  
157 'Dry Goods & Pasta > Dry Pasta': 757,  
158 'Dry Goods & Pasta > Fresh Pasta': 183,  
159 'Dry Goods & Pasta > Grains, Rice & Dried Goods': 609,  
160 'Dry Goods & Pasta > Instant Foods': 1031,  
161 'Dry Goods & Pasta > Pasta Sauce': 713,  
162 'Dry Goods & Pasta > Spices & Seasoning': 7,  
163 'Dry Goods & Pasta > Whole & Ground Seeds': 3,  
164 'Food > Cheese': 2,
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165 'Food > Chips, Puffs & Pretzels': 1,
166 'Food > Chocolate, Candy & Mints': 8,
167 'Food > Condiments': 1,
168 'Food > Nuts': 6,
169 'Food > Oils & Vinegars': 2,
170 'Frozen > Frozen Appetizers & Sides': 685,
171 'Frozen > Frozen Breads & Doughs': 113,
172 'Frozen > Frozen Breakfast': 478,
173 'Frozen > Frozen Dessert': 299,
174 'Frozen > Frozen Juice': 162,
175 'Frozen > Frozen Meals': 1953,
176 'Frozen > Frozen Meat & Seafood': 480,
177 'Frozen > Frozen Pizza': 593,
178 'Frozen > Frozen Produce': 707,
179 'Frozen > Frozen Vegan & Vegetarian': 378,
180 'Frozen > Ice Cream & Ice': 2507,
181 'Fruit Wine > Fruit Blends': 35,
182 'Fruit Wine > Sangria': 28,
183 'Gift Baskets & Sets > Gift Baskets': 3,
184 'Gift Baskets & Sets > Gift Sets': 5,
185 'Glassware & Accessories > Bar Tools': 25,
186 'Glassware & Accessories > Beer Glassware': 6,
187 'Glassware & Accessories > Other Glassware': 14,
188 'Glassware & Accessories > Spirits Glassware': 14,
189 'Glassware & Accessories > Wine Accessories': 33,
190 'Glassware & Accessories > Wine Glassware': 36,
191 'Glassware & Accessories > Wine Storage & Transport': 5,
192 'Grocery > Bakery & Bread': 1,
193 'Grocery > Bars': 2,
194 'Grocery > Frozen': 27,
195 'Grocery > Instant Foods': 11,
196 'Grocery > Nuts': 7,
197 'Grocery > Pasta & Pasta Sauce': 12,
198 'Grocery > Sugar & Sugar Substitutes': 1,
199 'Holiday Favorites > Beverages': 3,
200 'Holiday Favorites > Candles & Kitchenwares': 10,
201 'Holiday Favorites > Cheese & Appetizers': 11,
202 'Holiday Favorites > Desserts & Bakery': 6,
203 'Holiday Favorites > Entrees': 5,
204 'Holiday Favorites > Holiday Pantry': 22,
205 'Holiday Favorites > Produce': 32,
206 'Holiday Favorites > Sides & Salads': 3,
207 'Household > Air Fresheners & Candles': 809,
208 'Household > Books & Magazines': 1,
209 'Household > Cleaning Products': 1542,
210 'Household > Dish Detergents': 391,
211 'Household > Food Storage': 629,
212 'Household > Garden': 57,
213 'Household > Kitchen Supplies': 1163,
214 'Household > Laundry': 1051,
215 'Household > More Household': 3950,
216 'Household > Paper Goods': 601,
217 'Household > Plates, Bowls, Cups & Flatware': 500,
218 'Household > Trash Bags & Liners': 175,
219 'International > Asian Foods': 945,
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220 'International > Indian Foods': 148,
221 'International > Kosher Foods': 179,
222 'International > Latino Foods': 480,
223 'International > More International Foods': 21,
224 'Lager Beer > Amber/Red Lager': 18,
225 'Lager Beer > American All-Malt Lager': 16,
226 'Lager Beer > American-Style Lager': 110,
227 'Lager Beer > Bock/Doppelbock/Maibock': 12,
228 'Lager Beer > Czech & German Pilsner': 79,
229 'Lager Beer > Euro Pale Lager': 42,
230 'Lager Beer > Japanese Rice Lager': 5,
231 'Lager Beer > Light Lager': 62,
232 'Lager Beer > Other Dark Lager': 26,
233 'Lager Beer > Other Pale Lager': 25,
234 'Liqueurs/Cordials/Schnapps > Chocolate; Sweets & Candy': 49,
235 'Liqueurs/Cordials/Schnapps > Citrus & Triple Sec': 73,
236 'Liqueurs/Cordials/Schnapps > Coconut': 4,
237 'Liqueurs/Cordials/Schnapps > Coffee': 32,
238 'Liqueurs/Cordials/Schnapps > Cream': 64,
239 'Liqueurs/Cordials/Schnapps > Fruit': 63,
240 'Liqueurs/Cordials/Schnapps > Fruit Blends': 27,
241 'Liqueurs/Cordials/Schnapps > Herbal & Spice': 111,
242 'Liqueurs/Cordials/Schnapps > Nuts & Amaretto': 37,
243 'Liqueurs/Cordials/Schnapps > Other': 12,
244 'Liqueurs/Cordials/Schnapps > Unique Flavors': 13,
245 'Meat & Seafood > Hot Dogs, Bacon & Sausage': 910,
246 'Meat & Seafood > Meat': 198,
247 'Meat & Seafood > Meat Counter': 397,
248 'Meat & Seafood > Packaged Meat': 628,
249 'Meat & Seafood > Packaged Poultry': 304,
250 'Meat & Seafood > Packaged Seafood': 219,
251 'Meat & Seafood > Poultry': 46,
252 'Meat & Seafood > Poultry Counter': 162,
253 'Meat & Seafood > Seafood': 66,
254 'Meat & Seafood > Seafood Counter': 162,
255 'Mixers, Water & Soda > Bitters': 8,
256 'Mixers, Water & Soda > Club Soda': 5,
257 'Mixers, Water & Soda > Cocktail Mixes': 8,
258 'Mixers, Water & Soda > Cocktail Rimmers': 1,
259 'Mixers, Water & Soda > Juice': 10,
260 'Mixers, Water & Soda > Seltzer Water': 4,
261 'Mixers, Water & Soda > Soda': 5,
262 'Mixers, Water & Soda > Sparkling Cider': 9,
263 'Mixers, Water & Soda > Sports Drinks': 1,
264 'Mixers, Water & Soda > Syrups': 2,
265 'Mixers, Water & Soda > Tonic Water': 12,
266 'Mixers, Water & Soda > Water': 40,
267 'Pantry > Baking Ingredients': 1157,
268 'Pantry > Baking Supplies & Decor': 749,
269 'Pantry > Condiments': 1467,
270 'Pantry > Doughs, Gelatins & Bake Mixes': 831,
271 'Pantry > Honeys, Syrups & Nectars': 465,
272 'Pantry > Marinades & Meat Preparation': 891,
273 'Pantry > Oils & Vinegars': 948,
274 'Pantry > Pickled Goods & Olives': 784,
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275 'Pantry > Preserved Dips & Spreads': 632,  
276 'Pantry > Salad Dressing & Toppings': 1182,  
277 'Pantry > Spices & Seasonings': 1977,  
278 'Pantry > Spreads': 974,  
279 'Personal Care > Adult Care': 67,  
280 'Personal Care > Air Fresheners & Candles': 94,  
281 'Personal Care > Aromatherapy': 34,  
282 'Personal Care > Beauty': 5731,  
283 'Personal Care > Body Lotions & Soap': 2431,  
284 'Personal Care > Cleanses & Detoxes': 28,  
285 'Personal Care > Clothing': 34,  
286 'Personal Care > Cold, Flu & Allergy': 1218,  
287 'Personal Care > Deodorants': 882,  
288 'Personal Care > Digestion': 1146,  
289 'Personal Care > Eye & Ear Care': 660,  
290 'Personal Care > Facial Care': 1659,  
291 'Personal Care > Family Planning': 259,  
292 'Personal Care > Feminine Care': 1119,  
293 'Personal Care > First Aid': 1185,  
294 'Personal Care > Foot Care': 139,  
295 'Personal Care > Hair Care': 4369,  
296 'Personal Care > Hand Care': 243,  
297 'Personal Care > Medical Supplies/Aid': 46,  
298 'Personal Care > Muscles, Joints & Pain Relief': 991,  
299 'Personal Care > Oils & Tinctures': 52,  
300 'Personal Care > Oral Hygiene': 1978,  
301 'Personal Care > Protein & Meal Replacements': 728,  
302 'Personal Care > Shave Needs': 774,  
303 'Personal Care > Skin Care': 250,  
304 'Personal Care > Soap': 299,  
305 'Personal Care > Stress & Sleep Aids': 259,  
306 'Personal Care > Sun Care': 12,  
307 'Personal Care > Vitamins & Supplements': 4247,  
308 'Pets > Cat Food & Care': 1281,  
309 'Pets > Dog Food & Care': 1540,  
310 'Pets > Small Animal Care': 153,  
311 'Produce > Fresh Fruits': 723,  
312 'Produce > Fresh Herbs': 145,  
313 'Produce > Fresh Vegetables': 1173,  
314 'Produce > Packaged Vegetables & Fruits': 991,  
315 'Produce > Tofu & Meat Alternatives': 2,  
316 'Ready to Drink > Chocolate & Cream Drinks': 7,  
317 'Ready to Drink > Cosmopolitan': 1,  
318 'Ready to Drink > Daiquiris & Rum Drinks': 12,  
319 'Ready to Drink > Lemonades & Citrus Drinks': 12,  
320 'Ready to Drink > Manhattans & Bourbon Drinks': 1,  
321 'Ready to Drink > Margaritas': 23,  
322 'Ready to Drink > Mojito': 2,  
323 'Ready to Drink > Other': 13,  
324 'Ready to Drink > Shots': 9,  
325 'Ready to Drink > Tea': 5,  
326 'Ready to Drink > Unique Cocktails': 13,  
327 'Red Wine > Barbera': 18,  
328 'Red Wine > Bordeaux Blend': 192,  
329 'Red Wine > Cabernet Franc': 24,
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330 'Red Wine > Cabernet Sauvignon': 657,
331 'Red Wine > Carmenere': 11,
332 'Red Wine > Corvina': 21,
333 'Red Wine > Gamay': 22,
334 'Red Wine > Grenache': 32,
335 'Red Wine > Malbec': 85,
336 'Red Wine > Merlot': 187,
337 'Red Wine > Montepulciano': 16,
338 'Red Wine > Mourvedre/Monastrell': 7,
339 'Red Wine > Nebbiolo': 44,
340 'Red Wine > Other Red Wines': 78,
341 'Red Wine > Petite Sirah': 17,
342 'Red Wine > Pinot Noir': 312,
343 'Red Wine > Red Blend': 363,
344 'Red Wine > Rhone Blend': 96,
345 'Red Wine > Sangiovese': 162,
346 'Red Wine > Syrah/Shiraz': 148,
347 'Red Wine > Tempranillo': 93,
348 'Red Wine > Zinfandel': 93,
349 'Rum > Aged Rum': 70,
350 'Rum > Cachaca': 7,
351 'Rum > Dark Rum': 16,
352 'Rum > Flavored Rum': 66,
353 'Rum > Gold Rum': 23,
354 'Rum > Other': 7,
355 'Rum > Silver Rum': 43,
356 'Rum > Spiced Rum': 52,
357 'Sake & Plum Wine > Plum Wine': 6,
358 'Sake & Plum Wine > Sake': 42,
359 'Scotch > Blended Scotch': 93,
360 'Scotch > Single Malt': 103,
361 'Seasonal/Special Release Beer > Seasonal': 138,
362 'Seasonal/Special Release Beer > Special Release': 80,
363 'Snacks > Candy & Chocolate': 3085,
364 'Snacks > Chips & Pretzels': 1961,
365 'Snacks > Cookies & Cakes': 1659,
366 'Snacks > Crackers': 1320,
367 'Snacks > Energy & Granola Bars': 1708,
368 'Snacks > Fruit & Vegetable Snacks': 464,
369 'Snacks > Ice Cream Toppings': 191,
370 'Snacks > Mint & Gum': 501,
371 'Snacks > Nuts, Seeds & Dried Fruit': 1411,
372 'Snacks > Popcorn & Jerky': 772,
373 'Snacks > Trail Mix & Snack Mix': 254,
374 'Specialty Style Beer > American Wild Ale': 8,
375 'Specialty Style Beer > Chili Beer': 2,
376 'Specialty Style Beer > Cream Ale': 3,
377 'Specialty Style Beer > Fruit Beer': 37,
378 'Specialty Style Beer > Herbed/Spiced Beer': 21,
379 'Specialty Style Beer > Shandy/Radler': 14,
380 'Specialty Style Beer > Specialty Beer': 57,
381 'Tequila > Anejo': 57,
382 'Tequila > Blanco/Silver': 96,
383 'Tequila > Extra Anejo': 6,
384 'Tequila > Flavored Tequila': 15,
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385 'Tequila > Gold': 12,
386 'Tequila > Other': 2,
387 'Tequila > Reposado': 72,
388 'Variety Packs > Gift Sets': 9,
389 'Variety Packs > Variety Packs': 24,
390 'Vodka > Flavored Vodka': 261,
391 'Vodka > Other': 9,
392 'Vodka > Variety Packs': 1,
393 'Vodka > Vodka': 325,
394 'White Wine > Albarino': 10,
395 'White Wine > Bordeaux Blend': 16,
396 'White Wine > Chardonnay': 408,
397 'White Wine > Chenin Blanc': 17,
398 'White Wine > Garganega': 6,
399 'White Wine > Gewurztraminer': 16,
400 'White Wine > Gruner Veltliner': 9,
401 'White Wine > Muscat/Moscato': 41,
402 'White Wine > Other White Wines': 56,
403 'White Wine > Pinot Blanc': 4,
404 'White Wine > Pinot Grigio/Pinot Gris': 76,
405 'White Wine > Rhone Blend': 11,
406 'White Wine > Riesling': 91,
407 'White Wine > Sauvignon Blanc': 89,
408 'White Wine > Torrontes': 5,
409 'White Wine > Trebbiano/Ugni Blanc': 4,
410 'White Wine > Viognier': 15,
411 'White Wine > White Blend': 66}
412

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413 6. Generate a new file where mrp is normalized. If there is a 0 or a non-float ,
 414 Ans:

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415 [{'available_price': '5.99',
416   'category': 'Household',
417   'crawl_date': '20180726',
418   'http_status': '200',
419   'mrp': 'NA',
420   'pack_size': '30 ct',
421   'subcategory': 'Trash Bags & Liners',
422   'title': 'Seventh Generation 13 Gallon Extra Strong Flap Tie White Tall Kitchen',
423   'urlh': '1ef0f41ebcee030a35440405f2f8b0165c719c89'}],
424 [{'available_price': '5.49',
425   'category': 'Household',
426   'crawl_date': '20180726',
427   'http_status': '200',
428   'mrp': 'NA',
429   'pack_size': '25 ct',
430   'subcategory': 'Trash Bags & Liners',
431   'title': 'BioBag Food Scrap Bags Small 3 Gallon - 25 CT - 25 ct',
432   'urlh': 'c566570abdbe95b5e6a78eb8b3b2424108bf36a2'}],
433 [{'available_price': '5.69',
434   'category': 'Household',
435   'crawl_date': '20180726',
436   'http_status': '200',
437   'mrp': 'NA',
438   'pack_size': '30.0 ct',
439   'subcategory': 'Trash Bags & Liners',

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440 'title': 'If You Care Certified Compostable Food Waste Bags 3 Gallon - 30 CT
441 'urlh': '3b22b28b351dec75664b17fcf586023ddc21704c'},
442 {'available_price': '5.99',
443 'category': 'Household',
444 'crawl_date': '20180726',
445 'http_status': '200',
446 'mrp': 'NA',
447 'pack_size': '12 ct',
448 'subcategory': 'Trash Bags & Liners',
449 'title': 'BioBag Food Scrap Bags Tall Kitchen 13 Gallon - 12 CT - 12 ct',
450 'urlh': '7ff787f49e137237054f95e7cb5b0f8611e7f6fb'},
451 {'available_price': '5.99',
452 'category': 'Household',
453 'crawl_date': '20180726',
454 'http_status': '200',
455 'mrp': 'NA',
456 'pack_size': '20 ct',
457 'subcategory': 'Trash Bags & Liners',
458 'title': 'Seventh Generation 13 Gal with Drawstring Closure White Tall Kitchen
459 'urlh': 'a7ad16e71257855c033aad46eb5082a2153b97c6'},
460 {'available_price': '3.99',
461 'category': 'Household',
462 'crawl_date': '20180726',
463 'http_status': '200',
464 'mrp': 'NA',
465 'pack_size': '3 ct',
466 'subcategory': 'Paper Goods',
467 'title': 'Field Day 100% Recycled Paper Towels - 3 ct',
468 'urlh': '7842869e31f564268680d898976fad8dafb135aa'},
469 {'available_price': '11.99',
470 'category': 'Household',
471 'crawl_date': '20180726',
472 'http_status': '200',
473 'mrp': 'NA',
474 'pack_size': '12 ct',
475 'subcategory': 'Paper Goods',
476 'title': 'Seventh Generation 2-Ply 100% Recycled Bathroom Tissue - 12 ct',
477 'urlh': '6397ec7c03a550bb4b4f508bc58dbd92adae6d51'},
478 {'available_price': '7.99',
479 'category': 'Household',
480 'crawl_date': '20180726',
481 'http_status': '200',
482 'mrp': '8.99',
483 'pack_size': '12 ct',
484 'subcategory': 'Paper Goods',
485 'title': 'Field Day 100% Recycled Bath Tissue - 12 ct',
486 'urlh': '1bfe149f2392841ba7a71a6ef7c366cc982a49ca'},
487 {'available_price': '2.69',
488 'category': 'Household',
489 'crawl_date': '20180726',
490 'http_status': '200',
491 'mrp': '2.99',
492 'pack_size': '82.5 sq ft',
493 'subcategory': 'Paper Goods',
494 'title': 'Seventh Generation 100% Unbleached Recycled Paper Towels - 82.5 sq
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495 'urlh': '4dd425297b7e0ce4db883350d2133fb77a6fe533'},
496 {'available_price': '4.89',
497 'category': 'Household',
498 'crawl_date': '20180726',
499 'http_status': '200',
500 'mrp': '5.29',
501 'pack_size': '2 ct',
502 'subcategory': 'Paper Goods',
503 'title': 'Seventh Generation 2-Ply Right Size 100% Recycled Paper Towels - 2 (
504 'urlh': 'cc7f63df1d280c4feeb6574c0d4fb1f81732f5fe'}}]
505 7. Display the title and price of 10 items having least price.
506 Eg:
507 Title1 --> its price
508 Title2 --> its price
509 upto 10
510
511 Ans:
512
513 Produce Organic Heirloom Tomato - each - At $4.99/lb-->0.00
514 Organic Banana - each - At $0.69/lb-->0.00
515 Produce Organic Heirloom Tomato - each - At $4.99/lb-->0.00
516 Produce Organic Heirloom Tomato - each - At $4.99/lb-->0.00
517 Honeysuckle Bone-In Turkey Breast - 8 lb-->0.01
518 Honeysuckle Bone-In Turkey Breast - 8 lb-->0.01
519 Green Serrano Pepper - each - At $3.29/lb-->0.03
520 Red Serrano Pepper - each - At $3.29/lb-->0.03
521 Green Serrano Pepper - each - At $3.29/lb-->0.03
522 Green Savoy Cabbage - lb - At $0.29/lb-->0.04
523
524 8. Display the top 5 subcategory having highest items.
525
526 Ans:
527 [('More Household', 3950), ('Vitamins & Supplements', 4247), ('Hair Care', 4369
528
529 9. Display stats of how many items have failed status (http_status other than 20
530 Eg.
531 http_status      count
532 500              23
533 404              12
534
535 Ans:
536 Today Data:
537 http_status 400
538 count      7
539 *****
540
541 Yesterday Data:
542 http_status 502
543 count      1
544 *****
545 http_status 400
546 count      7
547 *****
548

```

