

Exercise 1:

2.

Sl.no	Key	Value
1	T1	['citrus fruit', 'semi-finished bread', 'margarine', 'ready soups']
2	T2	['tropical fruit', 'yogurt', 'coffee']
3	T3	['whole milk']
4	T4	['pip fruit', 'yogurt', 'cream cheese', 'meat spreads']
5	T5	['other vegetables', 'whole milk', 'condensed milk', 'long life bakery product']

4.

TID	Items Purchased
32	['bottled_water', 'hamburger_meat', 'hygiene_articles', 'napkins', 'other_vegetables', 'rolls/buns', 'spices']
68	['newspapers', 'red/blush_wine']
78	['bottled_beer', 'bottled_water', 'flour', 'fruit/vegetable_juice', 'salt']

5.

Support	support@0.5	support@1	support@2	support@3	support@5	support@10
No. of items	120	88	59	44	28	8

Support@3	['chicken', 'other_vegetables', 'shopping_bags', 'tropical_fruit', 'butter', 'whole_milk', 'yogurt', 'rolls_buns', 'UHT_milk', 'bottled_beer', 'bottled_water', 'chocolate', 'white_bread', 'citrus_fruit', 'curd', 'beef', 'frankfurter', 'soda', 'fruit_vegetable_juice', 'newspapers', 'sugar', 'pastry', 'cream_cheese', 'root_vegetables', 'salty_snack', 'waffles', 'canned_beer', 'sausage', 'brown_bread', 'hamburger_meat', 'hygiene_articles', 'napkins', 'berries', 'pork', 'whipped_sour_cream', 'dessert', 'coffee', 'domestic_eggs', 'long_life_bakery_product', 'margarine', 'frozen_vegetables', 'pip_fruit', 'specialty_chocolate', 'onions']
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6.

Support	support@0.5	support@1	support@2	support@3	support@5	support@10
No. of items	605	213	61	19	3	0

Support@3	(('other_vegetables', 'tropical_fruit'), ('other_vegetables', 'whole_milk'), ('other_vegetables', 'yogurt'), ('other_vegetables', 'rolls_buns'), ('other_vegetables', 'soda'), ('other_vegetables', 'root_vegetables'), ('tropical_fruit', 'whole_milk'), ('whole_milk', 'yogurt'), ('whole_milk', 'rolls_buns'), ('whole_milk', 'bottled_water'), ('whole_milk', 'citrus_fruit'), ('whole_milk', 'soda'), ('whole_milk', 'pastry'), ('whole_milk', 'root_vegetables'), ('whole_milk', 'whipped_sour_cream'), ('whole_milk', 'pip_fruit'), ('yogurt', 'rolls_buns'), ('rolls_buns', 'soda'), ('rolls_buns', 'sausage'))
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