1.
   a. Name of attributes: Unnamed: 0, CRIM, ZN, INDUS, CHAS, NOX, RM. AGE, DIS, RAD, TAX, PTRATIO, B, LSTAT, Price
   b.
   - INDUS and NOX Correlation Coefficient: 0.763651
       - Type of Correlation: Positive
       - Note: Although this is close to 0.8, it is technically below the threshold. It is still notable as a strong correlation.
   - NOX and AGE:
       - Correlation Coefficient: 0.731470
       - Type of Correlation: Positive
       - Note: This correlation is also strong but below the 0.8 threshold.
   - AGE and DIS:
       - Correlation Coefficient: -0.747881
       - Type of Correlation: Negative
       - Note: Another strong correlation that is slightly below the 0.8 threshold.
   - RAD and TAX:
       - Correlation Coefficient: 0.910228
       - Type of Correlation: Positive
   - TAX and RAD:
       - Correlation Coefficient: 0.910228
       - Type of Correlation: Positive

2.
Example 1:
minsup = 0.00001, minconf = 0.05

Rule	Support	Confidence	Lift
(bed_bath_table, perfume) → (market_place)	0.00001	100%	347.342857
(telephony, cool_stuff) → (cine_photo)	0.00001	16.67%	249.374359
(auto, fashion_bags_access ories) → (musical_instruments)	0.00001	100%	154.866242
(bed_bath_table, garden_tools) →	0.00001	25%	99.647541

Rule			
(construction_tools_lights)			
(auto, musical_instruments) → (fashion_bags_accessories)	0.00001	100%	52.175966

Example 2:
minsup = 0.00002, minconf = 0.1

Rule	Support	Confidence	Lift
(fashion_childrens_clothes) → (fashion_bags_accessories)	0.000021	25%	13.043991
(home_comfort) → (bed_bath_table)	0.000442	10.8312%	1.118618

Example 3:
minsup = 0.0000005, minconf = 0.5

Rule	Support	Confidence	Lift
(bed_bath_table, perfume) → (market_place)	0.00001	100%	347.342857
(auto, fashion_bags_accessories) → (musical_instruments)	0.00001	100%	154.866242
(auto, musical_instruments) → (fashion_bags_accessories)	0.00001	100%	52.175966
(construction_tools_lights, bed_bath_table) → (garden_tools)	0.00001	100%	27.645253
(telephony,	0.00001	100%	26.777533

cine_photo) → (cool_stuff)			