COP 4722 - Assignment 5
Part I

TID	Items			
Allen	coffee	floss		
Bianca	coffee	jam	rice	shampoo
Nina	jam			
Pablo	banana	coffee	rice	shampoo
Sam	banana	coffee	floss	
Tina	banana	rice		

Case 1

Minimum support value:	0.24
# of Customers	6

Candidates for L-1 Itemset	# occurences	Support Value
coffee	4	0.67
floss	2	0.33
jam	2	0.33
rice	3	0.50
shampoo	2	0.33
banana	3	0.50

Result of L-1 Itemset	Itemset	Support Value
coffee	4	0.67
floss	2	0.33
jam	2	0.33
rice	3	0.50
shampoo	2	0.33
banana	3	0.50

Candidates for L-2 Itemset	# occurences	Support Value
{coffee, floss}	2	0.33
{coffee, jam}	1	0.17
{coffee, shampoo}	2	0.33
{coffee, rice}	2	0.33
{coffee, banana}	2	0.33
{floss, banana}	1	0.17
{jam, rice}	1	0.17
{jam, shampoo}	1	0.17
{rice, shampoo}	2	0.33
{rice, banana}	2	0.33
{shampoo, banana}	1	0.17

Result of L-2 Itemset	Itemset	LHS U RHS	LHS	RHS	Confidence	Interest
{coffee, floss}	2	0.33	0.67	0.33	0.50	0.17
{coffee, shampoo}	2	0.33	0.67	0.33	0.50	0.17
{coffee, banana}	2	0.33	0.67	0.33	0.50	0.17
{coffee, rice}	2	0.33	0.67	0.50	0.50	0.00
{rice, shampoo}	2	0.33	0.50	0.33	0.67	0.34
{rice, banana}	2	0.33	0.50	0.50	1.00	0.50

Candidates for L-3 Itemset	Itemset	Support Value
{coffee, rice, shampoo}	2	0.33

Candidates for L-3 Itemset	Itemset	Support Value
{coffee, rice, shampoo}	2	0.33