

91.	Tid list of Itemids
	T_{100} I_1, I_2, I_5
	T200 I2, I4
	T_{300} I_2, I_3
	T400 I1, I2, I4
	T_{500} I_{1}, I_{3}
	T_{600} I_2, I_3
	7700 I ₁ , I ₃
	T_{800} I_1, I_2, I_3, I_5
	T_{900} I_1, I_2, I_3
	Theminimum support is 22%
))	The confidence is 70%
J.	Generate strong Association Rules.
	min support = 22°10 of 9 transactions 100°10 = 9 transactions
	= 22 g = 1.98 22% = X
	$\chi = 1.98 \approx 2$
5 7	≈ 2
gard .	
1	To Generate comdidate set ()
	C1 = Itemset Support Count
	{ I, }
	⟨I₂⟩ 7
	{ I ₃ }
(1-3	{ I4 }
	4 I 5 ⅓ 2
	LI = compare candidate count with minimum support count
	Generate Li
	LI = Item set support count
	(I) 4 (I) 4 (I) 6
	₹ 12 3
	{ I34 6
	1 1 4 5 2 2 2
100000	{Ir} 2

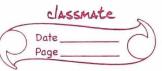
Classmate

Date ______

M = naturaljoin
cartesian join + production

	cartesian join + production	
	C2 = L1 ML1 Itemset support.	1 4
	$\mathbf{L_{1}I_{2}}$	1
	I ₁ I ₃ 4	
	I, I4 1 1	
	I, I _s 2	
	I ₂ I ₃	
0.78.3 79.96	I ₂ I ₄ 2,	
	I ₂ I ₅ -	1800
	Is I4	
	I ₃ I ₅	10-140
	I4Is AND ON ANGUE CONTRIBUTED	
	10 cm 31 30 m 1	
	Generate: L2 L2= Tternset support	
	{ I, I, I, I, I	
id (1) Francis	Ared seines francis francis francis of E.I. I. Street and Miles	
	$\{I_{1}I_{5}\}$ 2	
	{I ₂ I ₃ } 4	. 1
	$\left\{ \mathbf{I_2}\mathbf{I_4} \right\} \qquad 2$	遊水。
	{I2I5} 2	
	To be a consultation of the consultation of th	73
	$C_3 = L_2 \bowtie L_2$ Itemset support count	7-20
	$\{I_1I_2I_3\}$	
	{I1 I2 Is} 2	
	{I, I3 I5-}	7
	{I2I3I4}	91
,	{I2 I3 I5-4 1	
i de i	T2 I4 I5 file in O mapon s	
	{I, I, I, I, I	al control
	there was the service	
	Generate 13 13 = Themank support	
	I, I, I, I, I	
	I ₁ I ₂ I ₅ 2	2 (2 °C)
		Sales 1

	1				
92.	Apply Association Rule to find all frequent item set & strong				
	Association Rule with the help of following table				
					
		Transaction	ID Iten	ns and the same	
		TJ00	(1),(3),(4),(3	
		T200	(2), (3), (5),	7	
		T300	①,②,(3),(3,8	
	AC.	T400	②G, 9,	10	
ASS.	(T) 1 144	T500	29	in the second section of the second	
-976.2	land L		-, 1177	A TAY OF LINE	
	The n	ninimum support	t = 60% and m	ninimum confidence = 80%	
* Actions	PASSIBLE A			With the same of t	
	min support = 60% of 5				
Salar Salar	10 17 12 - 1 = 50 0 5 - 1 = X (5 1)				
		* 17 8C = = 2 &	9 5 7 7 7 7 7	1/ I 60% = X	
		* 17 8C = = 2 &		1/ I 60% = X	
		* 17 8C = = 2 &	9 5 7 7 7 7 7	1/ I 60% = X	
		10 40 = 5 = 4 10	9 5 7 7 7 7 7	1/ I 60% = X	
		10 40 = 5 = 4 10	9 5 7 7 7 7 7	1/ I 60% = X	
		= 3	9 5	x = 3	
		= 3 Itemset	support	x = 3	
		= 3 Itemset 1	support count 3	x = 3	
		= 3 Itemset 1 2	support count 3	x = 3 $x = 3$	
		= 3 Itemset 1 2	support count 3 3	x = 3 $x = 3$	
		= 3 Itemset 1 2 4	support count 3 3 2	x = 3 $x = 3$	
		= 3 Itemset 1 2 4 5	support count 3 3 2 3	x = 3 $x = 3$	
		= 5 1 = 3 Itemset 1 2 3 4 5	support count 3 3 2 3 1	x = 3 $x = 3$	
		= 5 1 = 3 Itemset 1 2 3 I 4 5 6 7	support count 3 3 2 3 1	$\frac{x=3}{x=3}$	



	Itemset	count	
	1	3	
	2	3	
	3 %	3	
	5	3	J
	V V		
C2 = L1 M L1	Itemset	count	

C2 = 4 N 4	Itemset	count	_
	{ 1,2}	1	
	そ 1,3 }	2	
	{ 1,5}	1	1
11	{ 2,3}	2	
l.	٤ 2,53	3	
	25,53	2	PINE

L ₂ =	Itemset	support count
	{2,5}	3
		The state of the s

After pruning Themsel [2,5] is frequent

Ans) The frequent Itemset is {2,53

Association Rule

$$2 \rightarrow 5$$
 confidence = $\frac{3}{13} = 100\%$

$$5 \Rightarrow 2$$
 confidence = $3/3 = 100\%$

strong Association Rule are = 2=75,5=72

because confidence > minimum confidence