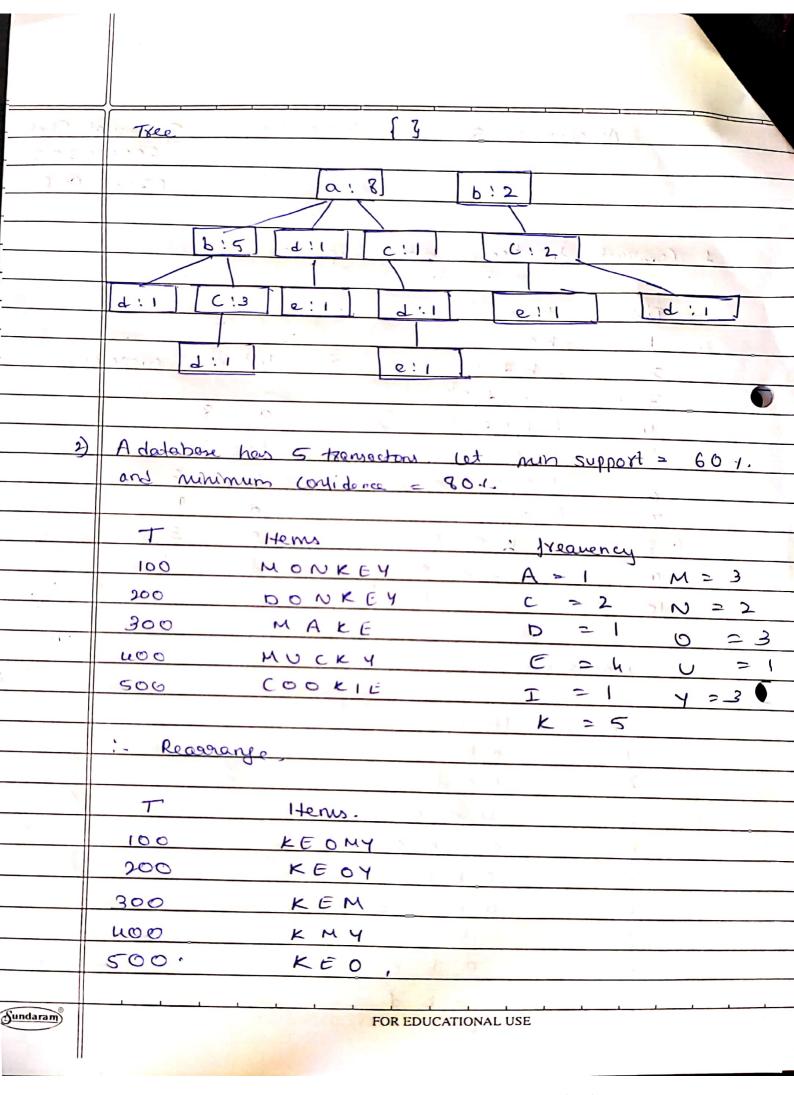
	Assignment 5 Sharhwat Shah
	6000 4220126
	C2-2 Div B
1	Construct of tree with sup = 2
	Tid Items!
	1 {b, a}
-	2 (b,d,c) Individual support
	3 hald, ey
	u = 8 $u = 8$
1 73	5 mm (mc,b,a) comment & bot = 17 mah 1
	(a,c,b,d)
	$\frac{\pi}{4} (a,f) \qquad d = 9$
	8 d don (b a c)
ė · X	19 (1 b d a) 11 11 11 15 = 11
C ((c, e, b)
- (.):	
	Tid Items.
	1 . a, b
	2 b, c, d
	3 a, d, e
	4 a,c,de
	$\leq a,b,c$
	6 a, b, c, d
	7 a
	8 a, b, c
	a, a , b , d
агат [®]	6, c e FOR EDUCATIONAL USE



	Thee			[4]	4-1-11	= 1	
					* 1	"L. s.	7,0 - 1,0 -
			K	:51	3 4	× 1	1
					19/18	4	The state of the s
	1 - 1100		[E:4]	M) 1		
					1, 41		
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				114 411 ,	4 4		
	IM.	! 7	:1)	2		7	
	14.1	ale ha		-		Th	
					- 17		1
(2)	Using a	iroirga		- 8	0.0	1	
	(1:	Herraut	Support	. 5	Y 4 -	4	
		A	1				
	The same	because to	. , 2 ,		1 may 4 1 1 1	Itemset	support
	- R -	D		T 4	3 0	E	La la
	14 400.	E	1 4 7 1	->	L1:	K	5
		-1	1	40	4. 5.1-4-	M	.3
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	- 1/	M	3	\ -	. 4	To Y	3
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		٧	1	UN E	4	- ·	
	Α	Y	- 3	15	4.	e 1 4	
	Hen	1 1 5 4 1		-	11-		2
		met	soppo!	<u> </u>			31pho A
			<u> </u>	. 1		6	3
	EM		3	4	K		3
	EO			17		10	
	EY		2			1 4	2
n)	KM		3 FOR ED	UCATION	AL USE 0	4	2
11							

L2: Hennet Support
ER 4
EO 3
KM 3
KO 3 VIII
1.4
C3 = Itemset Support
- EKO B
EKM 2
EKY 2 Ls Hernset Support
FKMO 1
KMY 2
KOY 2 1077.5
No more comprations can be low 1
(C, K, T) 4
Subset = (K) (E) (O) (OK) (OE) (KE)
ASSOCIATE vules using a notice
R S O E
5/3 = 10
$\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$
0 - 3/4
- C - C 1
□ → 3/3 · · · · · · · · · · · · · · · · · ·
min-consider a
ston and clabor
(O,E) > (K)
$(0) \Rightarrow (k \in E)$
(OK) > (E)
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	Association rules using FP tree
	L= KY L2 = KI L3 = KO L4 = EO
	L= KEO L= KE
	12312 1101 1101
	i) Li = (K,Y) Subset K, Y
	Rules consider
7 6	E 3 40 160%
7	19 3 K 1007.
	ii) L2 2 KM Subset K M
= .	pièles confid - 1
- , ,	K > M 3/5 607.
1	M > K 3/3 1007-1007
40.4	the said the said of the said of the said
. 4	iii) L3 2 K, O Subset K O
	K > 0 - 3-15
-	0 3 K 3 13 100%
1	とうかから コンドル かかからはい かけ かしゅうとう しいかい
3	W) Lu = 0 C O Subset E O
-	Rules Confidence 1.
	E>0 3/4 751.
	0 > E 3/3 1007.
	- Als . Felse Federa est
	V) LS: KEO Subsit & E O KE KO 60
	Rules Confid
	K → OE 3/C 60%
1	KE > 0 313 1004.
	0 → RE 3/3 751.
	0E = k 3/4 75.1.
	C > 0 k 3 14 100%
ram	OK > E FOR EDUCATIONAL USE 3/3

	V) Lo = (K.E) subset K E
-	Ruces Conjid
	K > E 415 75%
	E > K 4/4 100%.
	A I. I A College Wall of the
	Strong rules_
	Strong rules_ Y > K M > K O > K O > E
	OB > K O > KE OK > E K > E E > K
	6) The resulting preament patterns are sinday for
	The and the william has it
	Tolling of original algorithm all m
	The surround databat FO
	The transfer of the same of th
	andidate appropriate to the soul !!
	of the classification of the same
	in some College hory College
	and of such distance to be a soul !
	in the dataset to be ruised
-	it is seen that the efficiency of the
-	apriory algorith increases.
3)	A / 2
5)	$A_{1}(2,10)$, $A_{2}(2,5)$ $A_{3}(8,4)$ $B_{1}(5,8)$ $B_{2}(7,5)$ $B_{3}(6,4)$
	$C_1(C_1, C_2)$ $C_2(L_1, q)$
	12, 13 responses the centroids
	Initial control de are as follows
-	$X_1 = A_1(2,10)$ $Y_2 = B_1(5,8)$ $X_3 = C_1(1,2)$
-	
	First iteration
-	133
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11	

	(luster 1 = A, (2,00)
	cluster 2 = ((5,8) (8,4) (7,5) (6,9)
	cluster 3 = ((1,2)(4,5)
	Centroids after first Heration
	$\chi_{i} = (2d_{i}, i \circ)$
	X2 (6,6) X3 (1,5,3.5)
	Y3(1.5,3.5)
	Second iteration
	(x, 1, 2, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3,
	Cluster 1 = (2,10) (41)
	Cluster 2 = (8,4) (5,8) (7,5) (6,4) Cluster 2 = (4,5) (1,2)
	$\chi_{1} = (3, 4.4) (6.5, 5.25) (1.5, 3.5)$
	1, (3, 4.7)
	Third iteration
	1 = (2,10) (5,8) (4,9)
	2 = (8,4) (7,5) (6,4)
	3 = (2,5) (1,2)
,	Centroid X, = (3.67,9)
	X 2 = (7, 4.33)
	X3 = (1.5,3.5)
2	Fourth Heraton
	1 = (2,10)(5,8)(4,9)
	2 = (8, 4) (7, 4) (6, 4)
	3 = (205)(1,2)
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