Name :- KLAMAT ULLAH
Reg no: - EAM- Bes-403
Assignment no: - # 5

Question 1: Si= "sunshine stack enjoy sunshine"

Si= "sunshine stack enjoy sunshine"

Si= "brown for Tump hogh brown for run"

Si= "sun shine That Jok run fast"

=> For Bawfor sump nigh run fast state enjoy brown Sum Shine O O O Sz

T7 >>										
	Sunshine	state	enjoy	brown	fox	jump	sun	Fast.	high	
Si	2/4	1/4	1 4	0	0	0,	0	0	6	
S2	0	0	6	3/1	3/1	4	7	6		
53	4	1/8	0	*0	· lz			O	4	
				***	5	0	15	5	٥	
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IDF =
$$-\sin \sinh (x) = \log(3/2) = 0.176$$

 $-\sin \sinh(x) = \log(3/2) = 0.176$
 $-\sin y = \log(3/1) = 0.471$
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	Sunshine	1 State	ensoy	brown	fox	jump	high	run	fast
Si	6:088	0=044	l	0	Ø	0	0	0	0
52	0	B	0	O. 135	0.05	0.068	0.068	0.025	0
53	0.035	0.035	0	0	0.035	0	0	0.085	0,095
		r	├ -1		-1				

wane: NA mat allan Reyno: FA19-13CS-403 Assignmet no: 45 Question no2: (Vactors) 15/1x/531 81=[2,1,1,0,0,0,0,0,0] Sz = [0,0,0,2,2,1,1,10] 83=[1;1,0,0,1,0,0,1,1] - Cosine-similarity by Si and Sz+ S, * S3 = (2*1)+(1x1)+(1x0)+(0x0)+(0x1)+ (0+0)+(0+0)+(0×1)+(0×1) > (=> 2+1+0+0+0,+0+0+0+0 =>3 ~ => (4+1+1)/2 = (6)/2 = 2.45 1831 = (12+12+0+0+12+0+0+12+13/2 (=> (1+1+1+1+1)/2 = (5)/2 = 2.24

 $(os(S_1,S_3) = S_1 \cdot S_3$ answ $\frac{3}{|S_1| |S_3|}$ $\frac{3}{(2.45)(2.24)^2}$ 0.55