	CT-O	4				PAGE NO.	
0	1. Defir	re Join a	lependencies	Ee 5th	NF wid	han Ex	sample
00	2. Esipla	in FD	lependencies and wha	t are	its dif	ferent,	types
Ol	. * A	relation is	in Snf i	fitis	n 4NE	and r	not
	cont	losslend	in Sof i	idency as	nd joi	ning s	should
	11.		sped when a			4	
			tables as				
	av	oid redur	dancy	007510(0			
	11 .		known as	project 1	in ho	imal to	н т ,
		•	lecturer	1 1 1	emesteer	\	
	0	CS			em		
		CS		2			
		math	John		iem j		
		math	Okash		m 2		
		Chem	praveen		Semi		
PI	Sim	Subject	P2 Subject	Sabjort	P 3	Sem	lectures.
	Sem 1	cs'		Anshika	8.	sem 1	Anshika
	sem!	math	CS	John		sem 1	John
	semi	chem	math	John		sem!	John
	Sem 2	Matt	math	Akash		sem 2	Akash
	<u> </u>		- Chem	pravien	·	Sem 1	praveen
8	2. Juncti	onal deper	ndencies is	a constra	into b	was	futs of
	atti	i bute from	n the olb.			`	V
	FD 1	is used to	describe the	Lelation	ship 1	olw the	ı
	att	tribute in	a griver	relation	R der	rolled a	2s X > Y
	neo	ins that Y	is function	ally des	en din a	e en }	<
	LHS	of FD is	called as	Detumi	nant 0	PHS 0	FD
		is called	as depende	ent.			J
			U				

	PAGE NO.
	Eg: USN > name (holds good) name > USN (can't write)
W	Prumber > & Phame, Plocation? Essn > Hours (not sholds good) Types of FD's Trival FD & A D2 -> Shop 1 A D2 -> Shop
(2)	trival FD & A,By → &By dA,By → &Ay non Trival FD → (A→B) A FD is trival iff the attribute in RHS is a Subset of LHS.
(a)	Eg: fSSN, name y > name Attribute of RHS won't be a subset of LHS then it is called non trival FD Eg: usn > name.
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