

	DATE / / /
	$180 \times 2 \rightarrow 1000 \times 180 \times 1000$
	Section 3 -> Mormell zation.
	the state of the s
0	Data Redundancy -> same data multiplied across the detalase.
	06-17 (1911)21101227
	Emp Name Mumb Cocation center I have location
	~ Gog Gentere ?A
	a Coa dates redundance
	Goa (Takinjentica).  Goa (Takinjentica).  Peren when came value for everywhy
	Veren when time
-	everyholy
0	s bata Prionvisioney -> Anything affecting data Principality.
(2)	
	Eg: -2 tables, hering same attribute deta but diff attribute.
- 204	Eg: - setailoutletaddoers setailoutlet water.
10.4	Eg: - réfailoutletaddoers rélaitoutlet touten. Same de le Sant dote.
	मार्थित के मार्थित (ca) प्रश्नित के उर्था .
ite	Marily lex of functionally dep blo atter
(3)	Normalization ->. Reorganizing database to ensure there are no redundancy (on data dependency.
	Jedundancy (on data dependency.
	-s Different stages of noomalization are known as 'noomel formy'
1	Is Different stages of noomalization are known as 'noomal jooms' first we have to understand concept of functional dep.
30	PHEL 3NF, BUNF TO THELE SEROT LA
4	Functional depocadency & A functional depoclational can
<u> </u>	exist the Disson more extent extent
	exist b/n 260 more attributes.
1	fully functional dependency.
	2 types -> Partial dependency.  2 types -> Partial dependency.  3 Transitive dependency.
	Joansi Pire dependency.
	SAME AND SECURE POSSIBLE
	( Date of the bound got debendant ( Plu son- well & pell appeals)
	The transfer of the transfer o

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Later Change	A STATE OF THE PARTY OF THE PAR
7)	Attoibute 8 9x functionally dependent on absolute A of care
	value of A determines exactly one value of Bo
	Reposerentation A -> B
	A -> Determinent
	B -> Dependent.
to store	200 14
>	A -> B -> C. 3 transitive dependency.
201	
	A C & fully A > C 3 partial
	B C 3 fully A > C 3 partial B > C 3 fully B
3	Egg - 2 tables, hing some actible to be best off
3	Anomoly -> Unexpected side effect from toying to
9	
	insert, update con delete a row.
A 79676	Masnly bes of functionally dap by attributes.
	Dedishdancy (on till repensionery.
(A)	Mormal Forms
0	a Billerent elager of resondigition more and
.9	A DIH stages - INF - GNF - GNF
-	After 3NF, BLNF 91 there sefor 4NF
	(Boyce - Codd Normal form)
. 60%	INF -> All attributes of R are atomic in nature
(Rem	Start to an authority to
	ansignity)
	values at one sine.
	2NF -> 1NF nature present
(R	perforce data No partial dependency (b/n non-key & key absolutes).

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	the second secon
-	3NF → Alocaly 2NF.
	integrity) No Franchive dependency which exist In key and non-key
Man	inligate) No touristive dependency which exist him key and non-key attributes.
	or animal the tendence towns of accepte.
	2NF -> preferred in applications with extensive data retrival.
	2NF-> " " u data modifications.
	contession from higher to lower form is denormally attom.
(3)	(Karlo Defineton lang) (Nota mangulation langua
6	- INA DELLE
Nata	Conceptual model> identifies table names. E seletionship bla them be logical model -> also colled entity seletionship model.  Physical model -> logical + index, views, dutatypes, etc.
node	s a Logical Model -s also colled entity scletionship model.
1	Physical model - logical + index, views, dutatypes, etc.
30	Comment of the Commen
13	first thing to be creeted while designing DBS
	logical Physical.
	(ER) (EX implement.  Sing Into keys, Tudles, volumes)
100	Couplet consent members court dains
(	- frime (customes) - independent
(8	Entity -> chevaleristic (Order) -> exists beg of prime
	Intersection (ordritery) -> 6003 of both prime Echor.
	ME - ) reported a rate to specify extent to the needed of the
	Typonice + Occurrence of Rothity (eq: JoB - cleaner) (enviry) (enviry) (enviry)
	Frakes nuripulation & access to ditthese.
-	3 Oute model   Barker notation
	Dawing notation Bachman modation
	Information Engineering. notation.
	No.