Normalization of Relations

The process of decomposing Unsatisfactory bad relations by breaking up their attributes into smaller relations.

- [U site Relationships centain condition fulfil soct at total bad relations stranged from 370 70.

3th Normal Form 370 70.

1. 1 NF 2. 2NF 3. 3NF

- 25 yrd - 50 y when 1NF 200 - 200 |

(1) Notations: ->

Book (Book_title, Author_name, Book_type, Author_artil, Publishert)

1 Foregin Key

Book

(Book I; Auturn, type, atti, Rublioner [Fk! Publisher reference Temp (PublD)])

Demposit Attribute

-2(Ets temp strate

-2(Ets temp strate

table (27(05 Publisher)

Acomps Trates

1...

L> Hetre author is a composite vey.

(1) Multivalued

Book (BT, & Author) Type, price, publisher)

Lythere author means a multivolved item.

(iv) composite multivalued

BOOK (BT, & AUTHOR (FNAME, LNAME) 3, Type, PTUCE, PUBLISHER)

L's composite multivalued item. उपक्रा - जुरेट।क्षेत्रक रिज्ञिया ज्याजात्य धार्कल कार्यक nested
trelation जाल।

Functional Dependency

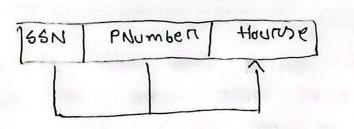
में मर्की constrains, एथापात ध्वायां निष्ठा चाए नकिस्मात एटि ,

> 1512 Malling y to determine 200, 21h x 21- value 3 23
2008 - mique value (determine -00310- 21107)

Watch -> 10404 -> 26:42:30:80

n si- vous so- relater à si- multiple parse et soir-

2 55N, PNUMBER, HOUTED 3 —> EHOURS 3 WORS 56N 222 PNUMBER combined -USITED Same Value SYGRTY - -970) - Same HOUTED - TO OMET All time.



* भार जाका कार्य हिर्स श्वेत । * भारत जाका कार्य कहिं--

111

- 1. No composite atthibutes
- 2. No multivalued attilibutes.
- 3. No nested relations.
- Mamposite attributes भाकता क्वीं एएकि जार्डेड leaf
- Annitivation of attributes strated largettage burnary red

10 1	Address	lo conta Name	
5	Hello	S	
5 5	Duaka	K K	
6	MOPUT	Ţ	
1	Ataban	13	

different values - 3 alltime when combine - work,

Multivaled composite strong leaf node Frettond Rimary

-ठिंद्र -1N -वाप्रािक -ठिंद्र ' नेवंचें IN द्वार्य 5N च conneit - क्रकेट्रि -क्रवेटि -ठिंद्र ' - जाए IN च था. ज्यादिक व्यव्धि व्यक्ष्य वेजद्रा विश्वित हिंद्र - विश्वे - ग्राह्म ग्राह्म व्यक्ति व्यक्ति व्यक्ति -

1 No partial Dependency

	1 56 N	PNumbell	Houns	Ename	Prame	Plocation			
FD1			ĵ	1	1				
FD 2		10010 100	<u>ng 1579</u>	L	- 15 mm	0.91009			
PD2	}		+	200		- Indian			

1) ASTIN HOURS -526+ Primary key AN -Borant dependent

(1154)

- 1) 1917/1 Ellame depend -2012- on/18211 66N 10- -Borto -
- 3) settlet, Priame, Procession 52612- depend tres- 252512
 Primber su- Forcer, sers partial dependency.

251 -1250 -08310 -1200 Relationship pased @121- -025(31 Japanogle

EP1 EP3

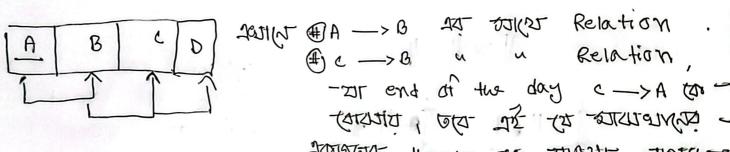
[SSN | PNumber | Hours | [SSN | EName | PNum | PNume | Plocation

auto 2N -212 - 2112, the sound single primary very alime 2N ** *

- उप्पा: मि अर्ग

1. No transitional ve Fonctional Dependency.

transitive Function | Dependency



Largent through to 2001 morrison dependency.

* 3N 1 1900 - DIENT TELATIONSHIP WITED -2705,

元 15点 ではは、 ではは、 ではいー ではい までいる 一つはいで -2回1

Slide -> 38 ording,