

NORMALIZATION
Pengenalan Basis Data



Nama: Christian Benedict Lumbantoruan

NIM: 11321015

Prodi: D3 Teknologi Informasi

Christian Lumbantoruan | 11321015 | D3T11

Task 1

Student	Advisor	Adv-room	Class 1	Class 2	Class 3	Dept
1022	Jones	412	101-07	143-01	159-02	42
4123	Smith	216	201-01	211-02	214-01	43

1NF:

Tabel Adv-room

Class	Student	Advisor	Adv-room	Dept
101-07	1022	Jones	412	42
201-01	4123	Smith	216	43
143-01	1022	Jones	412	42
211-02	4123	Smith	216	43
159-02	1022	Jones	412	42
214-01	4123	Smith	216	43

2NF:

Tabel Class

Class	Student
101-07	1022
201-01	4123
143-01	1022
211-02	4123
159-02	1022
214-01	4123

Tabel Student

Advisor	Adv-Room	Dept
Jones	412	42
Smith	216	43

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Task 2

Unnormalized table

Full Names	Physical Address	Movie Rented	Salutation	Category
Janes Jones	First Street plot 104	Pirates of the Caribbean, Clash of the titans	MS.	Action, Action
Robert Phil	3rd street 34	Forgetting Sarah Marshall, Daddy's Little Girl	Mr.	Romance, Romance
Vanessa Don	5th Avenue	Clash of the Titans	MS.	Action

1NF : Tabel Movies

Full Names	Physical Address	Movie Rented	Salutation	Category
Janes Jones	First street plot 104	Pirates of the Caribbean	MS.	Action
Janes Jones	First Street plot 104	Clash of the Titans	MS.	Action
Robert Phil	3rd Street 34	Forgetting Sarah Marshall	Mr.	Romance
Robert Phil	3rd Street 34	Daddy's Little Girl	Mr.	Romance
Vanessa Don	5th Avenue	Clash of the titans	MS.	Action

2NF : Tabel Customers

Full Names	Physical Address	Salutation
Janes Jones	First Street plot 104	MS.
Robert Phil	3rd Street 34	Mr.
Vanessa Don	5th Avenue	MS.

Tabel Rented

Movie Rented	Category
Pirates of the Caribbean	Action
Clash of the Titans	Action
Forgetting Sarah Marshall	Romance
Daddy's Little Girl	Romance