

Report.9.Norm

Linh Duong

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1 Which normal form does the employee database satisfy?

The employee database satisfies all 3 normal form rules to reduce the data redundancy.

- 1NF: There is not any repeated column in each table of the database.
- 2NF: In each table, there is not any column that is independent from the primary key.
- 3NF: In each table, there is no information that can be inferred from the others

2 Produce a 3NF of the following Order form document by normalization

cus_id	name	phone	addr_id
c001	Tran Giang Son	+84-4 37 91 69 60	a001

Figure 1: Customer

addr_id	address	city
a001	18 Hoang Quoc Viet	Hanoi, Vietnam

Figure 2: Address

ord_id	date	cus_id
on 7126	11/07/2016	c001

Figure 3: Order information

ord_id	pro_id	quantity
on 7126	P101	1
on 7126	P102	1
on 7126	P103	1
on 7126	P104	1
on 7126	P105	1
on 7126	P106	1
on 7126	P107	1

Figure 4: Order_detail

pro_id	description	price
P101	Intel i7 6700K	349
P102	ASUS Z170A-P	149
P103	Corsair DDR44x8GB	469
P104	Samsung EVO 850 512GB	249
P105	GeForce GTX 1080 8G	725
P106	Corsair CS750M 80+ Gold	119
P107	Corsair Carbide 400R Mid	85

Figure 5: Product