



EDIT ATTRIBUTES

LEARNING RESOURCES

LOAD EXAMPLE

Functions

FIND A MINIMAL COVER

FIND ALL CANDIDATE KEYS

CHECK NORMAL FORM

NORMALIZE TO 2NF

NORMALIZE TO 3NF METHOD 1

NORMALIZE TO 3NF METHOD 2

NORMALIZE TO BCNF

Find Candidate Keys

Candidate Keys Found

- warden_name complaint_id item_id

Show Steps

Step 1: Find the minimal cover of FDs, which contains

```
roll_number --> user_name
roll_number --> name
roll_number --> contact_no
roll_number --> room_no
roll_number --> hostel_name
hostel_name --> gender
complaint_id --> complaint_type
complaint_id --> c_description
complaint_id --> complaint_status
complaint_id --> c_location
complaint_id --> upvotes
complaint_id --> c_roomno
complaint_id --> roll_number
complaint_id --> c_hostel
complaint_id --> free_time
warden_name --> user_name
warden_name --> warden_phone_no
user_name --> privileges
user_name --> password
item_id --> lost_found
item_id --> user_name
item_id --> item_title
item_id --> item_description
item_id --> lf_date
item_id --> lf_location
item_id --> item_photo
```

✖ < 1 min to Speed

item_id --> item_contact_person
item_id --> item_contact_email
item_id --> lf_status

Step 2. Find the set of attributes not on the RHS of any FD, which is NotOnRHS = {warden_name,complaint_id,item_id}. Every CK must contain these attributes.

Step 3: NotOnRHS is a superkey, so it is the only candidate key

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