USER

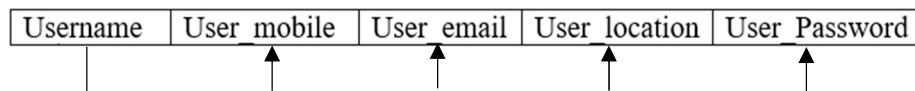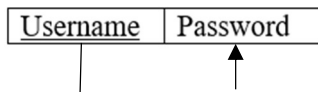| Username	User_mobile	User_email	User_location	User_Password

It is in INF as it does not have any composite or multivalued attributes.

• It is in 2NF as it is fully functionally dependent.

• (Username) → (User_mobile, User_email, User_location, User_password)

• As the relation does not contain a non-key attribute functionally determining other non-key attributes, it is in 3NF (there is no transitivity in attributes).
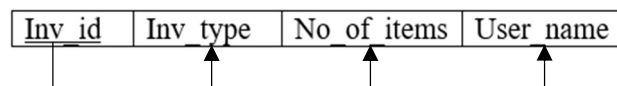
LOGIN

Username	Password

It is in INF as it does not have any composite or multivalued attributes.

• It is in 2NF as it is fully functionally dependent.

• (Username) → (Password)

• As the relation does not contain a non-key attribute functionally determining other non-key attributes, it is in 3NF (there is no transitivity in attributes).

CATEGORIES

Inv_id	Inv_type	No_of_items	User_name

It is in INF as it does not have any composite or multivalued attributes.

• It is in 2NF as it is fully functionally dependent.

• (Inv_id) → (Inv_type, no_of_items, user_name)

• As the relation does not contain a non-key attribute functionally determining other non-key attributes, it is in 3NF (there is no transitivity in attributes).

STOCK

Stk_id	Item_name	Quantity	Inv_id	Sup_id