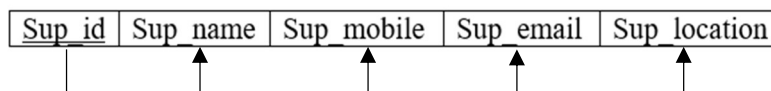It is in INF as it does not have any composite or multivalued attributes.

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

• (Stk_id) → (item_name, quantity, inv_id, sup_id)

• 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).

SUPPLIER

Sup_id	Sup_name	Sup_mobile	Sup_email	Sup_location

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

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

• (Sup_id) → (Sup_name, Sup_mobile, Sup_email, Sup_location)

• 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).
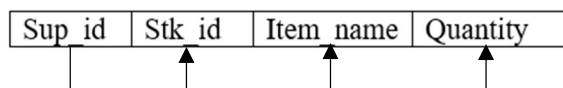
SUPPLIES

Sup_id	Stk_id	Item_name	Quantity

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

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

• (Sup_id, Stk_id) → (Item_name, Quantity)

• 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).