Relations: supplier, cart, admin, product cat, product, payment, customer, order, billing info

1. Sup-admin--
2. Sup-product--
3. Cart-product--
4. Admin-billing info--
5. Admin-product cat--
6. Product cat-product--
7. Product-order--
8. Payment-customer--
9. Customer-order--
10. Order-billing info--
11. Manages (admin id, admin name, Sup id, Sup name, sup email, sup phone num):

1NF: no multivalued attribute.

2NF: admin id, admin name

Sup id, Sup name, sup email, sup phone num, admin id

3NF: no transitive dependency.

Table:

1. admin id, admin name
2. Sup id, Sup name, sup email, sup phone num, admin id
3. Supplies (Sup id, Sup name, sup email, sup phone num, Product id, product price, stock):

1NF: no multivalued attribute.

2NF: Sup id, Sup name, sup email, sup phone num

Product id, product price, stock, sup id

3NF: no transitive dependency.

Table:

1. Sup id, Sup name, sup email, sup phone num
2. Product id, product price, stock, sup id
3. Added to (Product id, product price, stock, Cart id, quantity, product details):

1NF: no multivalued attribute.

2NF: Product id, product price, stock, cart id

Cart id, quantity, product details

3NF: no transitive dependency.

Table:

1. Product id, product price, stock, cart id
2. Cart id, quantity, product details
3. Manages (admin id, admin name, Bill id, tracking no., supplier name):

1NF: no multivalued attribute.

2NF: admin id, admin name

Bill id, tracking no., supplier name, admin id

3NF: no transitive dependency.

Table:

1. admin id, admin name
2. Bill id, tracking no., supplier name, admin id
3. Manages (admin id, admin name, Category id, category name, description):

1NF: no multivalued attribute.

2NF: admin id, admin name

Category id, category name, description, admin id

3NF: no transitive dependency.

Table:

1. admin id, admin name
2. Category id, category name, description, admin id
3. Has (Product id, product price, stock, Category id, category name, description):

1NF: no multivalued attribute.

2NF: Product id, product price, stock, category id

Category id, category name, description

3NF: no transitive dependency.

Table:

1. Product id, product price, stock, category id
2. Category id, category name, description
3. Contains (Product id, product price, stock, Order no, order date, order amount):

1NF: no multivalued attribute.

2NF: Product id, product price, stock, order no

Order no, order date, order amount

3NF: no transitive dependency.

Table:

1. Product id, product price, stock, order no
2. Order no, order date, order amount
3. Has (payment no, payment amount, payment date, Customer id, first name, last name, gender, contact no, city state, pin code):

1NF: Contact no multivalued attribute.

2NF: payment no, payment amount, payment date, customer id

Customer id, first name, last name, gender, contact no, city state, pin code

3NF: payment no, payment amount, payment date, customer id

Customer id, first name, last name, gender, contact no, country id

Country id, city, state, pin code

Table:

1. payment no, payment amount, payment date, customer id
2. Customer id, first name, last name, gender, contact no, country id
3. Country id, city, state, pin code
4. Has (Order no, order date, order amount, Customer id, first name, last name, gender, contact no, city state, pin code):

1NF: Contact no multivalued attribute.

2NF: Order no, order date, order amount, customer id

Customer id, first name, last name, gender, contact no, city state, pin code

3NF: Order no, order date, order amount, customer id

Customer id, first name, last name, gender, contact no, country id

Country id, city, state, pin code

Table:

1. Order no, order date, order amount, customer id
2. Customer id, first name, last name, gender, contact no, country id
3. Country id, city, state, pin code
4. Has (Order no, order date, order amount, Bill id, tracking no., supplier name, order no):

1NF: no multivalued attribute.

2NF: Order no, order date, order amount

Bill id, tracking no., supplier name, order no

3NF: no transitive dependency.

Table:

1. Order no, order date, order amount
2. Bill id, tracking no., supplier name, order no

Total table:

1. admin id, admin name
2. Sup id, Sup name, sup email, sup phone num, admin id
3. Sup id, Sup name, sup email, sup phone num
4. Product id, product price, stock, sup id
5. Product id, product price, stock, cart id
6. Cart id, quantity, product details
7. admin id, admin name
8. Bill id, tracking no., supplier name, admin id
9. admin id, admin name
10. Category id, category name, description, admin id
11. Product id, product price, stock, category id
12. Category id, category name, description
13. Product id, product price, stock, order no
14. Order no, order date, order amount
15. payment no, payment amount, payment date, customer id
16. Customer id, first name, last name, gender, contact no, country id
17. Country id, city, state, pin code
18. Order no, order date, order amount, customer id
19. Customer id, first name, last name, gender, contact no, country id
20. Country id, city, state, pin code
21. Order no, order date, order amount
22. Bill id, tracking no., supplier name, order no

Final table:

1. admin id, admin name
2. Sup id, Sup name, sup email, sup phone num, admin id
3. Product id, product price, stock, sup id
4. Product id, product price, stock, cart id
5. Cart id, quantity, product details
6. Bill id, tracking no., supplier name, admin id
7. Category id, category name, description, admin id
8. Product id, product price, stock, category id
9. Product id, product price, stock, order no
10. payment no, payment amount, payment date, customer id
11. Customer id, first name, last name, gender, contact no, country id
12. Country id, city, state, pin code
13. Order no, order date, order amount, customer id
14. Bill id, tracking no., supplier name, order no

Table creation Sequence:

1. admin id, admin name
2. Cart id, quantity, product details
3. Country id, city, state, pin code
4. Sup id, Sup name, sup email, sup phone num, admin id
5. Bill id, tracking no., supplier name, admin id
6. Category id, category name, description, admin id
7. Product id, product price, stock, cart id
8. Customer id, first name, last name, gender, contact no, country id
9. payment no, payment amount, payment date, customer id
10. Order no, order date, order amount, customer id
11. Product id, product price, stock, sup id
12. Product id, product price, stock, category id
13. Product id, product price, stock, order no
14. Bill id, tracking no., supplier name, order no