To pers form upto BCNF based on given dependencies.

E-commerce Database

1. Identify Examiners attributes; user, order, categories

2. Relational Schema: G-commers (users, Boduct, payment, Reviews)

3. Functional dependency (FD's blu attributes: User FD: Name, Email, Phone

Product ID: Freduct, Name, Category ID,

Category ID: Category - Name

Order ID: Payment ID.

Step 2: - Convert to INF

* No repeating groups or arrays * Au attributes are atomic

Steps: Convert to 2NF

All primary key are single colourn keys, so no partial dependence exist

off

The secscheme to already in 2NR

Stepy: Conver to 3NF Glimate Transitive Dependencies * Product ID -> Cate gog ID -> Category-Name + User SD -> Numerical-Email, Address +order ID -> user ID -> user details Using craiffith tool 1. Input relation schame or dependency graph
2. Graffith 6001 generate a dependency
3. Verily the resulting scheme Noonalizing Scheme User (UsealD, Name, Email) Categories (Category ID. Name of the category) Product ID, Name, Price) order (order ID, Broduct ID, Quantity)

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Result implementation thus the database of normalizing the database is executed successfully.