# Initial database

| BOOK | | | | |
|------|------|--------|----------|-----------------|
| ISBN | Name | Author | Quantity | global discount |
|      |      |        |          |                 |

| Employee | | |
|----------|-----|------|
| idEmplyee | SSN | Name |

| Orders | | | |
|---------|-------------|--------|------|
| OrderID | Total Price | Status | Date |

| Supplier | | | |
|----|-------|--------|------|
| ID | Phone | Adress | NAME |

| Resupply | | | | |
|----|-------------|----------|-------------|--------|
| id | Total Price | Datetime | Supplier ID | Status |

| Customer | | | | | |
|-----|-------|----------|-------------|------|--------|
| SSN | Phone | Discount | Date Joined | Name | Adress |

| resupply books | | |
|----------|----------|---------------|
| order_id | books_id | book quantity |

| supplier books | |
|-------------|-----------|
| id_supplier | book_isbn |

| books_in_order | | |
|----------|-------------------|----------|
| order_id | quantity_in_order | books_id |

| employee sales | |
|-------------|----------|
| employee_id | order_id |

| customer order | |
|-------------|----------|
| customer_id | order_id |

# 3NF Database

| BOOK | | | |
|---|---|---|---|
| ISBN | Name | global discount | Quantity |
| | | | |

| Author | | |
|---|---|---|
| idBook | Fname | Lname |

| Book Price | | |
|---|---|---|
| idbook | customer_price | real_price |

| Orders | | | |
|---|---|---|---|
| OrderID | Total Price | Status | Date |

| Books in order | | |
|---|---|---|
| order_id | books_id | quantity_in_order |

| customer order | |
|---|---|
| customer_id | order_id |

| Customer | | | |
|---|---|---|---|
| SSN | Phone | Discount | Date Joined |

| Address | | | |
|---|---|---|---|
| idAddress | City | Street | House |

| FullName | | |
|---|---|---|
| SSN | Fname | Lname |

| Supplier | | |
|---|---|---|
| idSupplier | name | Phone |

| supplier_address | | | |
|---|---|---|---|
| idSupplier | City | Street | House |

| supplier books | |
|---|---|
| id_supplier | book_isbn |

| Resupply | | | | |
|---|---|---|---|---|
| id | Total Price | Datetime | Supplier ID | Status |

| resupply books | | |
| --- | --- | --- |
| order_id | books_id | book quantity |

| Employee | |
| --- | --- |
| idEmplyee | SSN |

| Employee_name | | |
| --- | --- | --- |
| id_employee | Fname | Lname |

| Employee_sales | |
| --- | --- |
| idEmplyee | order_id |