| Field Name | Sample Record | | 1NF | | 2NF | |
|--------------------------------|--|----------|---|---------------|---|----|
| Branch ID | 1 | | INF | | ZNF | |
| Branch Name | Giant Foods #1243 | | Table - Branch | | Table - Branch | |
| Branch Address | 3301 N Ridge Rd | | branch_id (primary | | branch_id (primary | |
| Branch City | Ellicott City | | key) branch_name | | key) branch_name | |
| Branch State | MD | | branch_city | | branch_city | |
| Branch Opening | | | | | | |
| Hours Branch Closing | 8:00:00 AM | | branch_address | | branch_address | |
| Hours | 10:00:00 AM | | branch_city | | branch_city | 1 |
| Employee 1 First Name | Richard | | branch_state | | branch_state | |
| Employee 1 Last | | | | | | |
| Name | Smith | | branch_open_hour | | branch_open_hour | |
| Employee 1 Role | Employee | | branch_close_hour | | branch_close_hour | |
| | An employee is responsible for | | | <i>1</i> \ | | |
| Employee 1 Role | stocking shelves and running a cash | | | <i>1</i> \ | | |
| Description | register. | | production_address | <i> </i> \ | | |
| Employee 1 Role Description | Alana | | | / \ | Table - Branch Employees | |
| | + | | | | branch_id | |
| Employee 2 Last Name | Martin | \ | Table - Employees | | (foreign/composite primary key) | |
| | | 1. | branch_id | | employee_id | |
| Employee 2 Role | Manager | 1 | (foreign/composite primary key) | | (foreign/composite primary key) | 1 |
| | A manager is | | | | | |
| Employee 2 Role | esponsible for managing | | employee_id (foreign/composite primary key) | | | |
| Description | employees. | | primary key) | | | |
| Employee 3 First Name | F | | | | Table Franksisses | |
| ranc | Frances | | employee_fname | | Table - Employees branch_id | |
| Employee 3 Last Name | Frazier | | employee_lname | | (foreign/composite primary key) | |
| rane | An employee is | | employee_ulume | | primary ney) | |
| | responsible for stocking shelves | | | | | |
| Employee 3 Role Description | and running a cash register. | | employee_role_des cr | l | employee_fname | 1 |
| | 1 | | | | | |
| Department 1 Name | Dairy | | employee_role | 1 | employee_lname | |
| Department 1 | Cheese, Milk, | | | | employee_role_des | |
| Items Department 1 | Butter | | Table - | 1 | cr | /_ |
| Quantities | 50, 10, 20 | | Department | | employee_role | |
| Department 2 | | \ \ \ | branch_id (foreign/composite | 1 | | |
| Name | Meat | | primary key) | _ | | |
| Department 2 | Ground Beef, Pork, | • | department_id (foreign/composite | | Table - | \ |
| Items | Turkey | | primary key) | | Department branch_id | |
| Department 2 Quantities | 60, 100, 40 | | | | (foreign/composite | |
| Quantities | 60, 100, 40 | | department_name | - 1 | primary key) department_id | |
| | | | department_items | | (foreign/composite primary key) | |
| | | | department_quanti | | primary ney) | |
| | | | ties | | | |
| | | | | / \ | Table - Department Info | |
| | | | | $I \setminus$ | department_id (foreign/composite | |
| | | | | | primary key) | |
| | | | | | | |
| | | | | | department_name | |
| | | | | \ | | |
| | | | | | | _ |
| | | | | | | |
| | | | | _ | Table - Department Items | |
| | | | | | Department Items department_id | |
| | | | | | Department Items | |
| | | | | | Department Items department_id (primary/composit e primary key) items_id | |
| | | | | | Department Items department_id (primary/composit e primary key) | |
| | | | | | Department Items department_id (primary/composit e primary key) items_id (primary/composit | |
| | | | | | Department Items department_id (primary/composit e primary key) items_id (primary/composit e primary key) Table - Items | |
| | | | | | Department Items department, id (primary/composit e primary key) items_id (primary/composit e primary key) Table - Items items_id (primary/composit | |
| | | | | | Department Items department_id (primary/composit e primary key) items_id (primary/composit e primary key) Table - Items items_id | |
| | | | | | Department Items department_id (primary/composit e primary key) items_id (primary/composit e primary key) Table - Items items_id (primary/composit e primary/composit e primary/composit e primary/composit e primary/composit | |
| | | | | | Department Items department, id (primary/composit e primary key) items_id (primary/composit e primary key) Table - Items items_id (primary/composit | |
| | | | | | Department Items department_id (primary/composit e primary key) items_id (primary/composit e primary key) Table - Items items_id (primary/composit e primary key) item_name | |
| | | | | | Department Items department_id (primary/composit e primary key) items_id (primary/composit e primary key) Table - Items items_id (primary/composit e primary/composit e primary/composit e primary/composit e primary/composit | |
| | | | | | Department Items department_id (primary/composit e primary key) items_id (primary/composit e primary key) Table - Items items_id (primary/composit e primary key) item_name | |
| | | | | | Department Items department_id (primary/composit e primary key) items_id (primary/composit e primary key) Table - Items items_id (primary/composit e primary key) item_name | |
| | | | | | Department Items department_id (primary/composit e primary key) items_id (primary/composit e primary key) Table - Items items_id (primary/composit e primary key) item_name | |
| | | | | | Department Items department_id (primary/composit e primary key) items_id (primary/composit e primary key) Table - Items items_id (primary/composit e primary key) item_name | |