

Data Modeling for Employees Database and Documentation

Link to schema: <https://app.quickdatabasediagrams.com/#/d/fDlrxE>

departments

| Field | Description | Type | Default | Other |
|-----------|--------------------------------------------------------------------------------------------------------------|---------|---------|-------|
| dept_no | Department number is a primary key, and it is aslo found in department employees and department manager list | VARCHAR | | PK |
| dept_name | Department names | VARCHAR | | |

titles

| Field | Description | Type | Default | Other |
|----------|---------------------------------------------------------------------------|---------|---------|-------|
| title_id | Title id is a primary key, and it also found in employees as emp_title_id | VARCHAR | | PK |
| title | List of titles | VARCHAR | | |

employees

| Field | Description | Type | Default | Other |
|--------------|---------------------------------------------------------------------------------------------------------------------------------|---------|---------|-------|
| emp_no | Employees number is a primary key and also found in department employees, department manager and salaries list | INT | | PK |
| emp_title_id | Employees have a title id employees(emp_title_id) So, this id has relationship with- the composite foreign key titles(title_id) | VARCHAR | | FK |
| birth_date | Employees birth date | DATE | | |
| first_name | Employees first name | VARCHAR | | |
| last_name | Employees last name | VARCHAR | | |
| sex | Employees sex | VARCHAR | | |
| hire_date | Employees hired date | DATE | | |

dept_emp

| Field | Description | Type | Default | Other |
|--------|----------------------------------------------------------------------------------------------------|------|---------|-------|
| emp_no | Employees number in department employees list and which shared a unique key with employees(emp_no) | INT | | FK |

| Field | Description | Type | Default | Other |
|---------|-----------------------------------------------------------------------------------------------------|---------|---------|-------|
| dept_no | Department number in department employees list and which shared a unique key with dept_emp(dept_no) | VARCHAR | | FK |

dept_manager

| Field | Description | Type | Default | Other |
|---------|--------------------------------------------------------------------------------------------------|---------|---------|-------|
| dept_no | Department number in department manger list and which shared a unique key with dept_emp(dept_no) | VARCHAR | | FK |
| emp_no | Employees number in department manger list and which shared a unique key with employees(emp_no) | INT | | FK |

salaries

| Field | Description | Type | Default | Other |
|--------|----------------------------------------------------------------------------------|------|---------|-------|
| emp_no | Employees number in salaries and which shared unique keys with employees(emp_no) | INT | | FK |
| salary | Employees salaries | INT | | |