PK = Primary key

FK = Foreign key

RT = referenced table

RTC = column in the referenced table

Employee table

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Column** | **Data Type** | **Key** | **Linking** | **Allow Null** |
| emp\_id | int | PK |  |  |
| first\_name | varchar(30) |  |  | No |
| last\_name | varchar(30) |  |  | No |
| Birth\_date | date |  |  | No |
| sex | char(1) |  |  |  |
| salary | int |  |  | No |
| super\_id | int | FK | RT: employee  RTC: emp\_id | Yes |
| Branch\_id | int | FK | RT: branch  RTC: branch\_id | Yes |

Branch table

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Column** | **Data Type** | **Key** | **Linking** | **Allow Null** |
| Branch\_id | int | PK |  |  |
| Branch\_name | varchar(30) |  |  | No |
| Mgr\_id | int | FK | RT: employee  RTC: emp\_id | Yes |
| Mgr\_start\_date | date |  |  | Yes |

Client table

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Column** | **Data Type** | **Key** | **Linking** | **Allow Null** |
| Client\_id | int | PK |  |  |
| client\_name | varchar(40) |  |  | No |
| Branch\_id | Int | FK | RT: branch  RTC: branch\_id | Yes |

Works\_with table

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Column** | **Data Type** | **Key** | **Linking** | **Allow Null** |
| emp\_id | int | PK | RT: employee  RTC: emp\_id |  |
| Client\_id | Int | PK | RT: client  RTC: client\_id |  |
| Total\_sales | Int |  |  | No |

Branch\_supplier table

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Column** | **Data Type** | **Key** | **Linking** | **Allow Null** |
| branch\_id | int | PK | RT: branch  RTC: branch\_id |  |
| supplier\_name | varchar(40) | PK |  | No |
| Supply\_type | varchar(30) |  |  | No |