# ERD Mapping

# Employee Table

|  |  |  |
| --- | --- | --- |
| Column | Data Type | Key |
| SSN | VARCHAR | Primary Key |
| FName | VARCHAR |  |
| LName | VARCHAR |  |
| BDate | DATE |  |
| Gender | CHAR |  |
| DNum | INT | Foreign Key |

# Department Table

|  |  |  |
| --- | --- | --- |
| Column | Data Type | Key |
| DNum | INT | Primary Key |
| DName | VARCHAR |  |
| Location | VARCHAR |  |
| ManagerSSN | VARCHAR | Foreign Key |
| HireDate | DATE |  |

# Project Table

|  |  |  |
| --- | --- | --- |
| Column | Data Type | Key |
| PNumber | INT | Primary Key |
| PName | VARCHAR |  |
| Location | VARCHAR |  |
| City | VARCHAR |  |
| DNum | INT | Foreign Key |

# Works\_On Table

|  |  |  |
| --- | --- | --- |
| Column | Data Type | Key |
| SSN | VARCHAR | Foreign Key |
| PNumber | INT | Foreign Key |
| WHours | INT |  |
| Primary Key |  | (SSN, PNumber) |

# Dependent Table

|  |  |  |
| --- | --- | --- |
| Column | Data Type | Key |
| SSN | VARCHAR | Foreign Key |
| DName | VARCHAR |  |
| Gender | CHAR |  |
| BDate | DATE |  |
| Primary Key |  | (SSN, DName) |