|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **PROJECT** | | | | |
| **Key Type** | **Optionality** | **Column Name** | **Datatype** | **Length** |
| PK | \* | project\_id | INTEGER |  |
|  | \* | project\_name | VARCHAR | 30 |
| FK | 0 | leader\_id | INTEGER |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **EMPLOYEE** | | | | |
| **Key Type** | **Optionality** | **Column Name** | **Datatype** | **Length** |
| PK | \* | employee\_id | INTEGER |  |
|  | \* | employee\_name | VARCHAR | 30 |
| FK | \* | title\_id | INTEGER |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **JOB\_TITLE** | | | | |
| **Key Type** | **Optionality** | **Column Name** | **Datatype** | **Length** |
| PK | \* | title\_id | INTEGER |  |
|  | \* | title | VARCHAR | 30 |
|  | \* | billing\_rate | DECIMAL | 5,2 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **PROJECT\_EMPLOYEE** | | | | |
| **Key Type** | **Optionality** | **Column Name** | **Datatype** | **Length** |
| PK,FK | \* | project\_id | INTEGER |  |
| PK,FK | \* | employee\_id | VARCHAR | 30 |
|  | \* | hours\_billed | Decimal | 3,1 |

PROJECT(**project\_id**, project\_name, **leader\_id**)  
FK leader\_id -> EMPLOYEE  
EMPLOYEE(**employee\_id**, employee\_name, **title\_id**)  
FK title\_id -> JOB\_TITLE  
JOB\_TITLE(**title\_id**, title, billing\_rate)  
PEOJECT\_EMPLOYEE(**project\_id, employee\_id,** hours\_billed)  
FK project\_id -> PROJECT  
FK employee\_id -> EMPLOYEE