

Create an ER diagram for the given **employee** database.

- **emp_record_table:**

- EMP_ID (Primary Key)
- FIRST_NAME
- LAST_NAME
- GENDER
- ROLE
- DEPT
- EXP
- COUNTRY
- CONTINENT
- SALARY
- EMP_RATING
- MANAGER_ID (Foreign Key referencing EMP_ID in emp_record_table)
- PROJ_ID (Foreign Key referencing PROJECT_ID in proj_table)

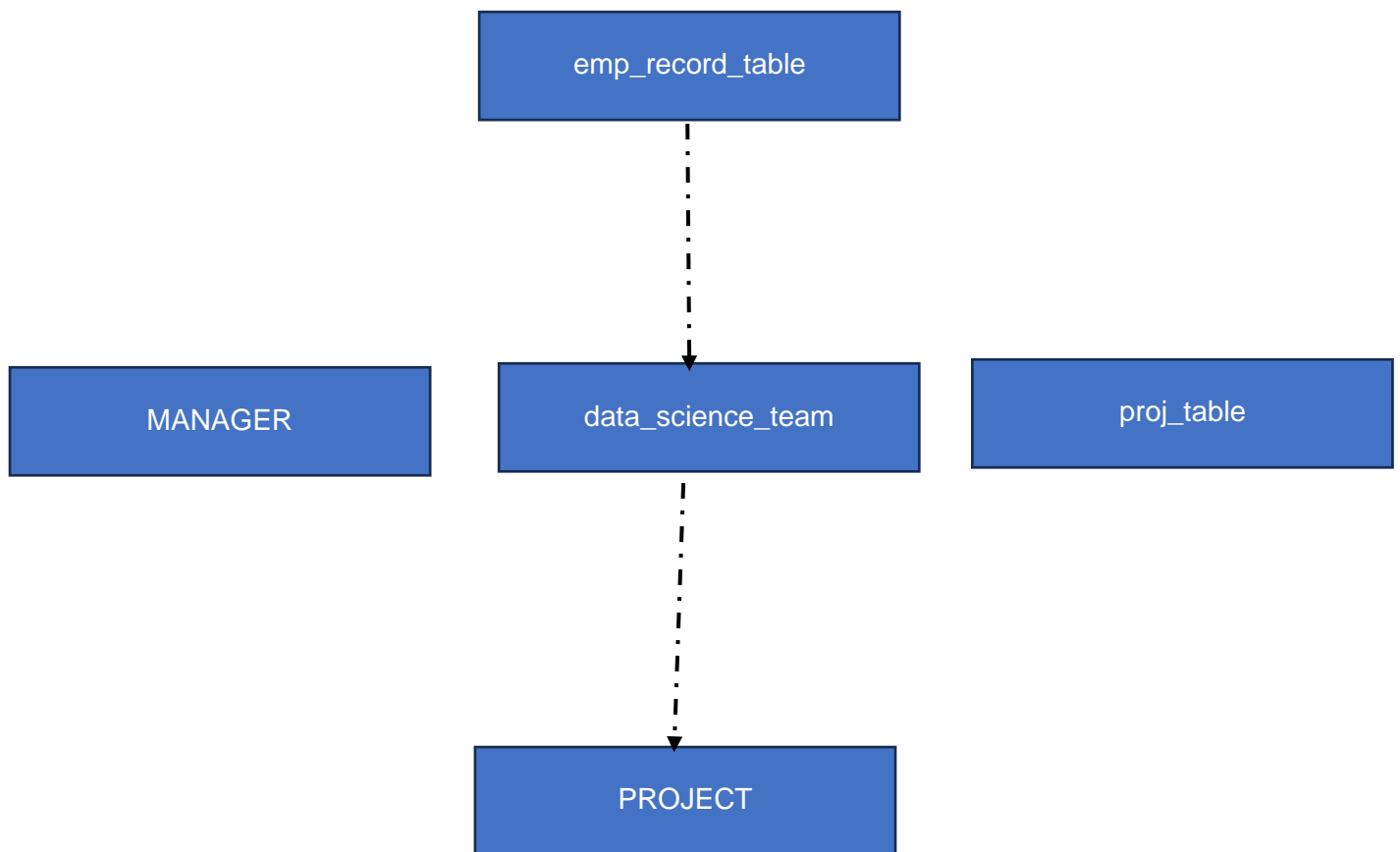
- **data_science_team:**

- EMP_ID (Primary Key, Foreign Key referencing EMP_ID in emp_record_table)
- FIRST_NAME
- LAST_NAME
- GENDER
- ROLE
- DEPT
- EXP
- COUNTRY
- CONTINENT

- **proj_table:**

- PROJECT_ID (Primary Key)
- PROJ_NAME
- DOMAIN
- START_DATE
- CLOSURE_DATE
- DEV_QTR
- STATUS

ER Diagram Representation:



Relationships:

emp_record_table.PROJ_ID -> proj_table.PROJECT_ID: Many-to-one relationship (many employees can be assigned to one project).

emp_record_table.MANAGER_ID -> emp_record_table.EMP_ID: Self-referencing relationship (an employee can manage other employees).

data_science_team.EMP_ID -> emp_record_table.EMP_ID: One-to-one relationship (each member of the data science team corresponds to one employee in the record table).