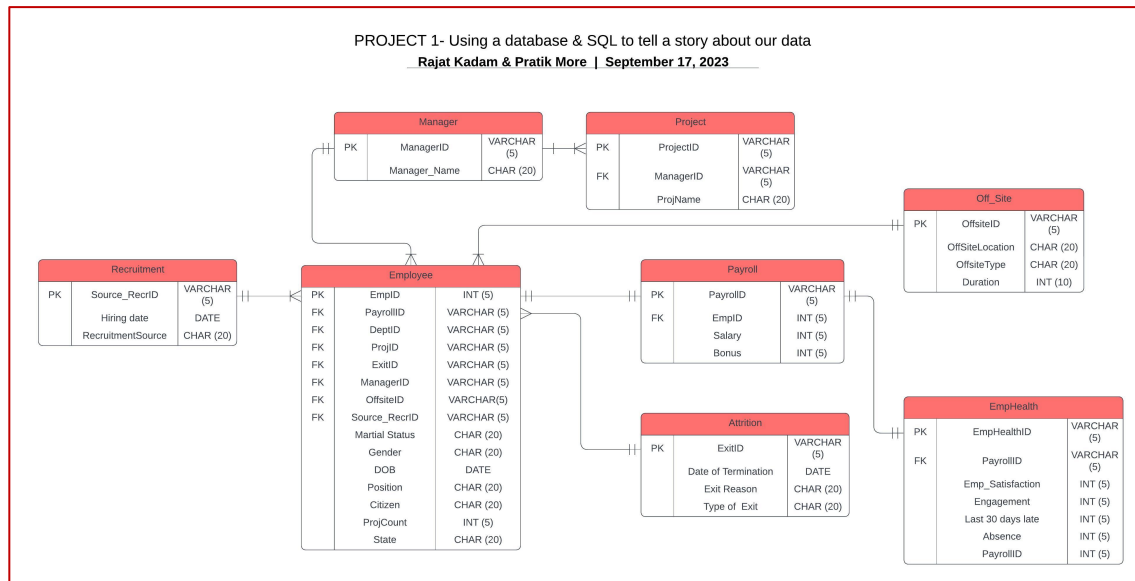


Project: Using a database & SQL to tell a story about our data

Sprint: 1



ENTITIES:

1. **Employee**: Employee is an entity which is a part of the Organization.
2. **Recruitment**: Contains the source of recruitment & date of hiring.
3. **Payroll**: Comprises Salary & Bonus data.
4. **Attrition**: Contains employee exit data.
5. **OFF_SITE**: Where the employees were taken for recreational & training session.
6. **PROJECT**: Employee being part of what projects.
7. **MANAGER**: Employees Manager details.
8. **EMP_HEALTH**: Employee health contains employee's performance, satisfaction level, Engagement level and other factors.

RELATIONSHIPS:

- 1) **Employee Entity and Payroll Entity (One to One)**
 - Each employee (EmpID) is associated with exactly one payroll (PayrollID). Each payroll (PayrollID) is associated with exactly one employee (EmpID).
- 2) **Employee Entity and Attrition Entity (One to Many)**
 - Each exit record (ExitID) can be associated with one or many employee records (EmpID). Each employee record (EmpID) is associated with at most one exit record (ExitID).
- 3) **Employee entity and Recruitment entity (One to Many)**

- Each employee has one recruitment ID. Each recruitment ID can be associated with many employees.
- 4) Employee entity and Manager entity (One to many)
- Each employee has one manager and this manager. Each manager can have multiple employees reporting to them.
- 5) Employee entity and Offset entity (One to many)
- Each employee has one offset ID. Each offset ID can be associated with many employees.
- 6) Manager Entity and Project Entity (One to Many)
- Each manager can be associated with many projects. Each project is managed by one and only one manager.
- 7) Payroll and Employee health (One to One)
- Each payroll record has one associated employee health record and vice versa.

Dataset Sample of Entity:

1. Employee:

Employee_N	EmplID	PayrollID	Position	State	DOB	Gender	Marital Statu	CitizenDesc	ExitID	Department	ManagerID	RecrID	ProjectsCoun	ProjectID
Adinolfi, Wil	10026	PL1	Production T	MA	7/10/83	M	Single	US Citizen	1A	Production	22	Rcr1	0	2
Ait Sidi, Kart	10084	PL2	Sr. DBA	MA	5/5/75	M	Married	US Citizen	2B	IT/IS	4	Rcr2	6	3
Akinkuolie, S	10196	PL3	Production T	MA	9/19/88	F	Married	US Citizen	3A	Production	20	Rcr3	0	4
Alagbe, Trina	10088	PL4	Production T	MA	9/27/88	F	Married	US Citizen	4B	Production	16	Rcr4	0	2

2. Manager:

ManagerNar	ManagerID
Michael Albe	22
Simon Roup	4
Kissy Sullivan	20
Elijah Gray	16

3. Payroll:

EmpID	Salary	Bonus	PayrollID
10026	62506	847581.36	PL1
10084	104437	125324.4	PL2
10196	64955	77946	PL3

4. Recruitment:

RecrID	DateofHire	RecruitmentSource
Rcr1	7/5/11	LinkedIn
Rcr2	3/30/15	Indeed

5. Emp_Health

EmpHeathID	Performance	Engagement	EmpSatisfac	LastPerform	DaysLateLast	Absences
EH1	Exceeds	4.6	5	1/17/19	0	1
EH2	Fully Meets	4.96	3	2/24/16	0	17
EH3	Fully Meets	3.02	3	5/15/12	0	3

6. Project:

ManagerID	Project Name	ProjectID
22	Processs deig	2
4	Product Impr	3
20	Marketing of	4

7. Attrition:

DateofTermi	Type Of Exit	TermReason	ExitID
	-	N/A-StillEmp	1A
6/16/16	Resignation	career chang	2B
9/24/12	Resignation	hours	3A

8. Off_Site:

OffsiteID	OffSiteLoc	Off site type	Off site days
OF1	Hartford	In-City	1
OF2	Stamford	In-State	2
OF3	New York	Out-State	3