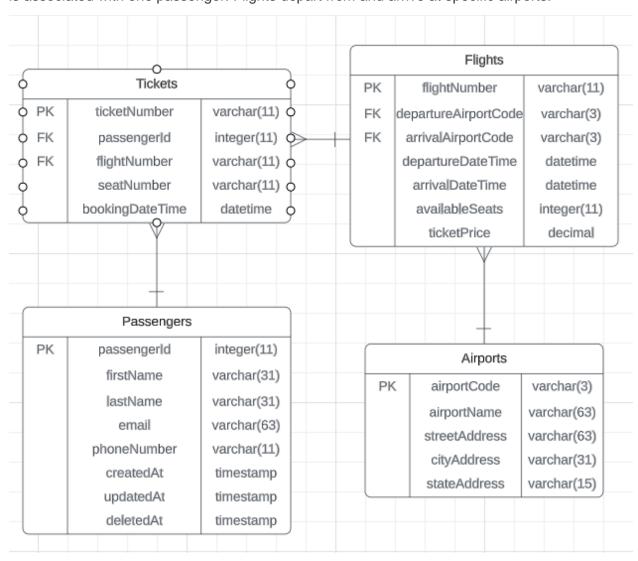
1. Design an ERD for an airline reservation system. The system should include entities like passengers, flights, tickets, and airports. Passengers can book multiple tickets, and each ticket is associated with one passenger. Flights depart from and arrive at specific airports.



Airports Table:

#	Name	Туре	Collation	Attributes	Null	Default	Comments	Extra	Action		
1	airportCode 🔑	varchar(3)	utf8mb4_general_ci		No	None			Change	Drop	More
2	airportName	varchar(63)	utf8mb4_general_ci		Yes	NULL			Change	Drop	More
3	streetAddress	varchar(63)	utf8mb4_general_ci		Yes	NULL			Change	Drop	More
4	cityAddress	varchar(31)	utf8mb4_general_ci		No	None			Change	Drop	More
5	stateAddress	varchar(15)	utf8mb4_general_ci		No	None			Change	Drop	More

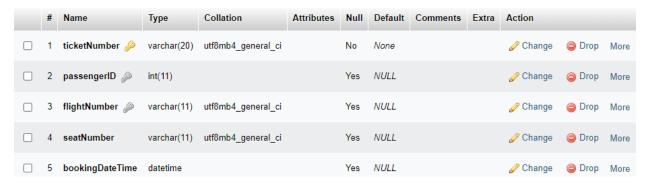
Flights Table:



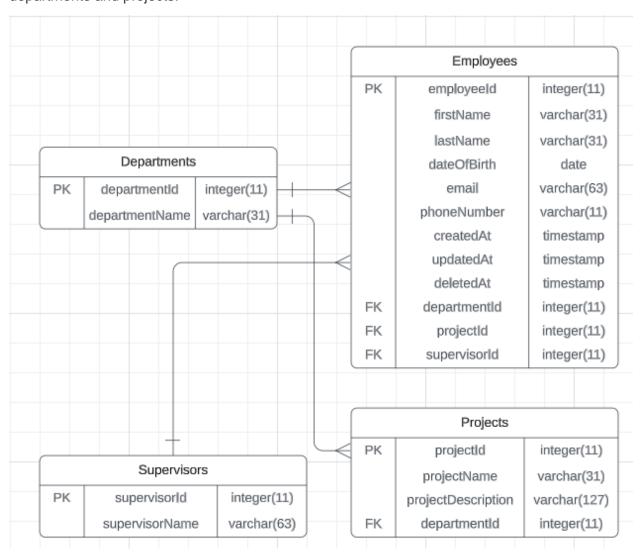
Passengers Table:



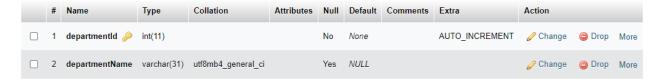
Tickets Table:



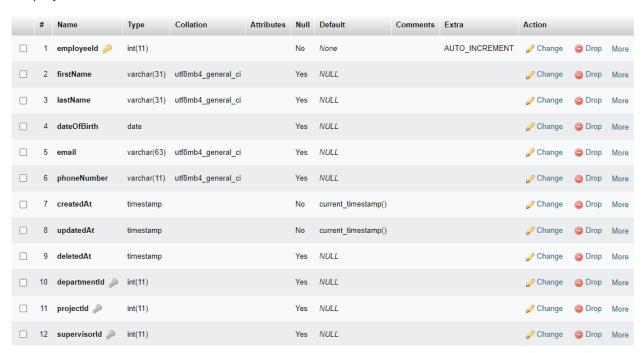
2. Design an ERD for an employee management system for a company. Entities should include employees, departments, projects, and supervisors. Show how employees are assigned to departments and projects.



Departments Table:



Employees Table:



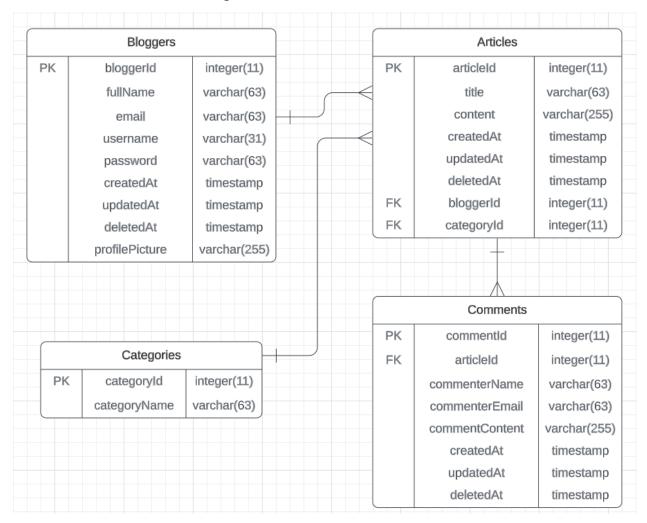
Projects Table:



Supervisors Table:



3. Create an ERD for an online blogging platform. Entities should include bloggers, articles, comments, and categories. Show how bloggers can write articles, readers can comment on articles, and articles can be categorized.



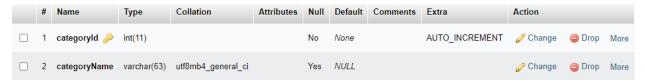
Articles Table:

#	Name	Туре	Collation	Attributes	Null	Default	Comments	Extra	Action		
1	articleld 🔑	int(11)			No	None		AUTO_INCREMENT	Change	Drop	More
2	title	varchar(31)	utf8mb4_general_ci		Yes	NULL			Change	Drop	More
3	content	varchar(255)	utf8mb4_general_ci		Yes	NULL			Change	Drop	More
4	createdAt	timestamp			Yes	current_timestamp()			Change	Drop	More
5	updatedAt	timestamp			No	current_timestamp()			Change	Drop	More
6	deleteAt	timestamp			Yes	NULL			Change	Drop	More
7	bloggerID 🔊	int(11)			Yes	NULL			Change	Drop	More
8	categoryID 🔊	int(11)			Yes	NULL			Change	Drop	More

Bloggers Table:



Categories Table:



Comments Table:

