

'Employees' Schema Database Testing

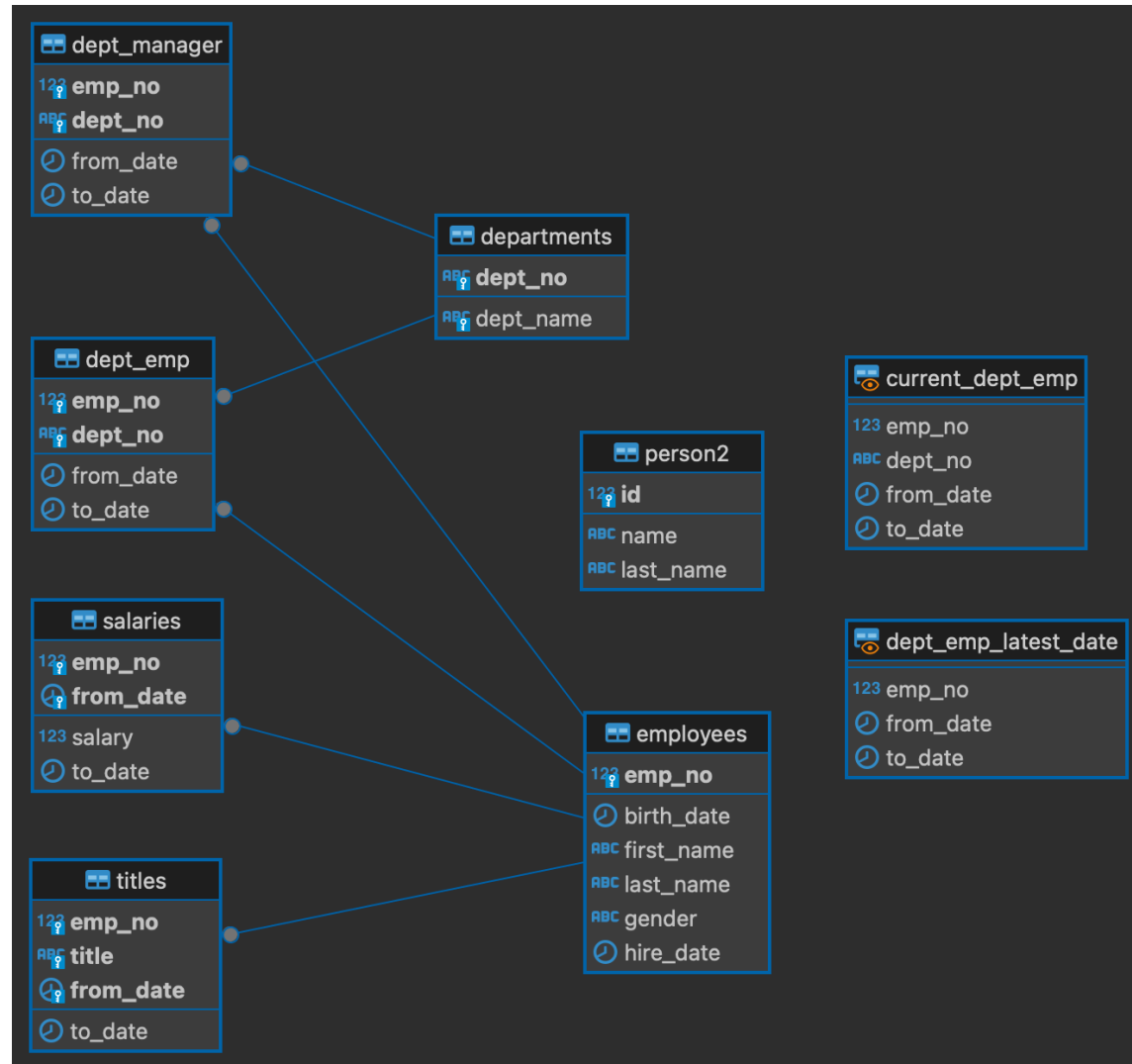


Table Name	Columns	Data Type & Size	Null	Keys
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departments	dept_no	char(4)	No	PRI
	dept_name	varchar(40)	No	UNI

dept_emp	emp_no	int	No	PRI
	dept_no	char(4)	No	PRI
	from_date	date	No	
	to_date	date	No	

dept_manager	emp_no	int	No	PRI
	dept_no	char(4)	No	PRI
	from_date	date	No	
	to_date	date	No	

employees	emp_no	int	No	PRI
	birth_date	date	No	
	first_name	varchar(14)	No	
	last_name	varchar(16)	No	
	gender	enum('M','F')	No	

	hire_date	date	No	
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salaries	emp_no	int	No	PRI
	salary	int	No	
	from_date	date	No	PRI
	to_date	date	No	

titles	emp_no	int	No	PRI
	title	varchar(50)	No	PRI
	from_date	date	No	PRI
	to_date	date	Yes	

TC ID	Title/Description	Steps	Expected Result	Actual Result	Test Data	Priority	Status
TC001	Check table presence in the database schema	show tables;	Table Name should be displayed in the list	The 'person2' table is not expected to be in a database schema	N/A	P1	Failed
TC002	Check table name conventions	show tables;	Table names should be Single words. The table should not contain spaces.	Some table names contain '_': current_dept_emp dept_emp dept_emp_latest_date dept_manager	N/A	P1	Failed
TC003	Check the number of columns in a table	SELECT count(*) AS NumberOfColumns FROM information_schema.columns WHERE table_name = 'departments';	2	As per expectation	N/A	P1	Passed
TC004	Check column names in a table	SELECT column_name FROM information_schema.columns WHERE table_name = 'departments';	As mentioned in the Database design	As per expectation	N/A	P1	Passed
TC005	Check the data type of columns in a table	SELECT column_name, data_type FROM information_schema.columns where table_name = 'departments';	As mentioned in the Database design	As per expectation	N/A	P1	Passed
TC006	Check the size of the columns in a table	SELECT column_name, column_type FROM information_schema.columns WHERE table_name = 'departments';	As mentioned in the Database design	As per expectation	N/A	P1	Passed
TC007	Check NULL fields in a table	SELECT column_name, is_nullable FROM information_schema.columns WHERE table_name = 'departments';	As mentioned in the Database design	As per expectation	N/A	P1	Passed
TC008	Check column keys in a table	SELECT column_name, column_key FROM information_schema.columns WHERE table_name = 'departments';	As mentioned in the Database design	As per expectation	N/A	P1	Passed