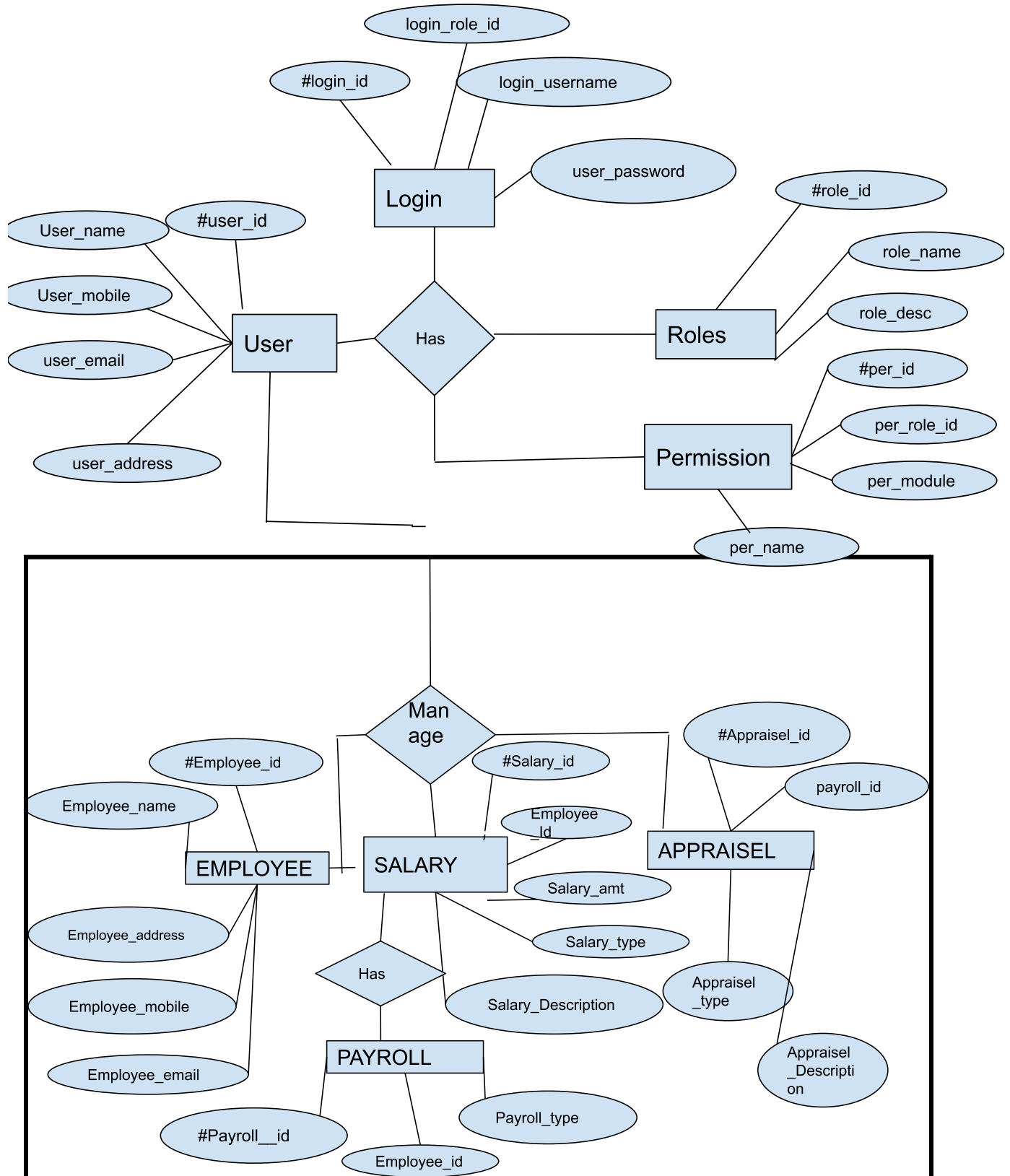


# PAYROLL MANAGEMENT SYSTEM



# Database schema

## EMPLOYEE

<u>Employee_id</u>	Employee_Name	Employee_address	Employee_Mobile	Employee_E-mail
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## SALARY

<u>salary_id</u>	Employee_id	Salary_amount	Salary_type	Salary_description
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## PAYROLL

<u>Payroll_id</u>	Employee_id	Payroll_type
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## APPRAISALS

<u>Appraisal_id</u>	Payroll_id	Appraisal_Type	Appraisal_description
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# RELATIONAL DATABASE SCHEMA

## Employee

Employee_Id	Employee_name	Employee_Address	Employee_Mobile	Employee_Email
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## Salary

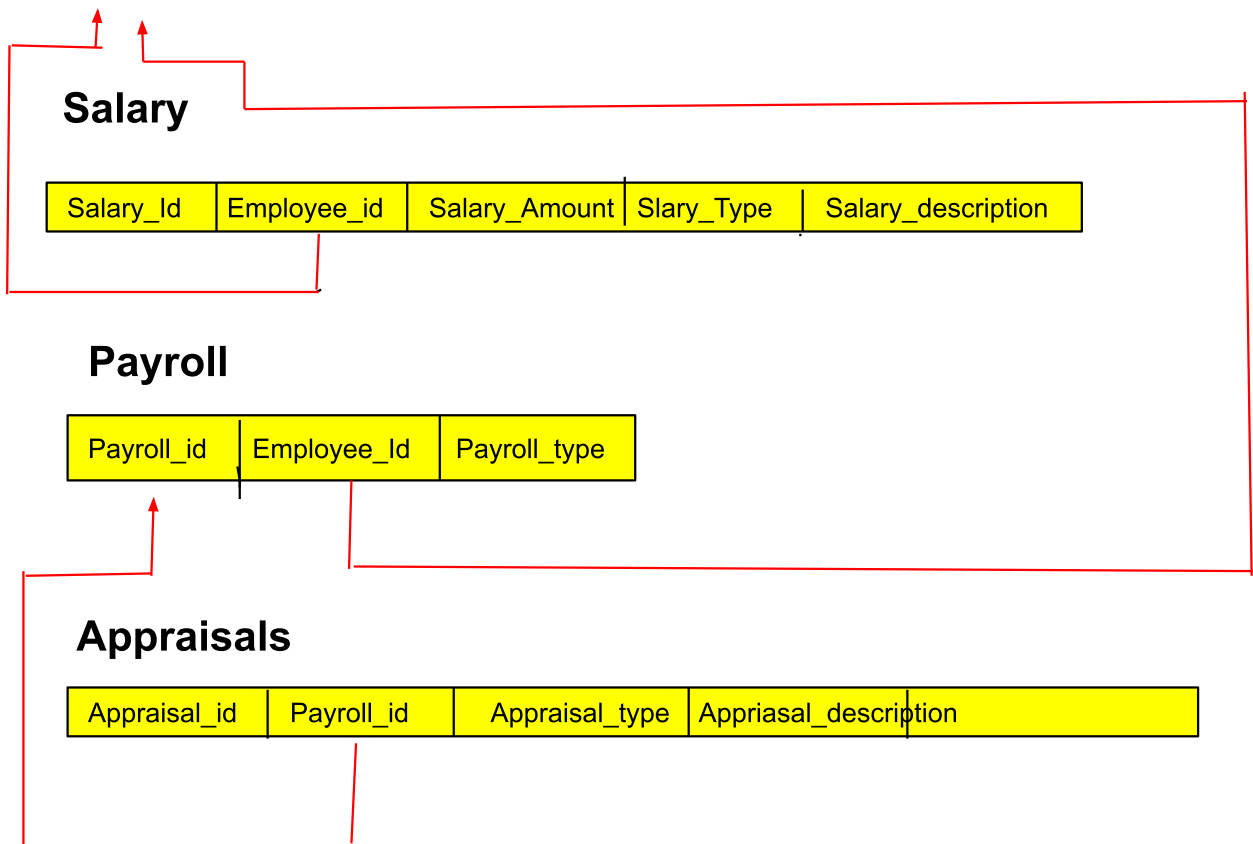
Salary_Id	Employee_id	Salary_Amount	Slary_Type	Salary_description
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## Payroll

Payroll_id	Employee_Id	Payroll_type
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## Appraisals

Appraisal_id	Payroll_id	Appraisal_type	Appriasal_description
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## **PAYROLL MANAGEMENT SYSTEM DATABASES SQL QUERIES**

### 1.CREATE DATABASE PAYROLL;

#	Time	Action	Message	Duration / Fetch
3 1	22:19:52	CREATE DATABASE PAYROLL	1 row(s) affected	0.016 sec

### 2.USE PAYROLL;

3 2	22:23:19	USE PAYROLL	0 row(s) affected	0.000 sec
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```
3.CREATE TABLE EMPLOYEES (
EMPLOYEE_ID VARCHAR(255) NOT NULL PRIMARY KEY,
EMPLOYEE_NAME VARCHAR(255),
EMPLOYEE_ADDRESS VARCHAR(255),
EMPLOYEE_MOBILE VARCHAR(255),
EMPLOYEE_EMAIL VARCHAR(255) );
```

3	3	22:25:	<u>CREATE TABLE EMPLOYEES (</u>	0	0.20
	14		EMPLOYEE_ID VARCHAR(255) NOT NULL	row(s)	3
			PRIMARY KEY, EMPLOYEE_NAME	affecte	sec
			VARCHAR(255), EMPLOYEE_ADDRESS	d	
			VARCHAR(255), EMPLOYEE_MOBILE		
			INT(255), EMPLOYEE_EMAIL		
			VARCHAR(255) )		

4.SHOW TABLES;

<u>3</u>	<u>8</u>	<u>18:23:</u>	<u>SHOW</u>	<u>1 row(s)</u>	<u>0.094 sec /</u>
	<u>44</u>		<u>TABLES</u>	<u>returned</u>	<u>0.000 sec</u>

```
5.INSERT INTO EMPLOYEES (EMPLOYEE_ID,  
EMPLOYEE_NAME, EMPLOYEE_ADDRESS, EMPLOYEE_MOBILE,  
EMPLOYEE_EMAIL) VALUES (  
'M005', 'Meryll', '92 SaddlebrookneCalgary', 4587322401, 'meryll22@gmail.com'  
) , ('J003', 'Janea', '58 SouthmountswCalgary', 5873245670, 'janea@yahoo.com'  
) , ('D001', 'David', '38 BellmountseCalgary', 5874544440, 'davidm@gmail.com');
```

3	5	09:00:	INSERT INTO EMPLOYEES	3 row(s)	0.06
2	51		(EMPLOYEE_ID, EMPLOYEE_NAME,	affected	2
			EMPLOYEE_ADDRESS,	Records: 3	sec
			EMPLOYEE_MOBILE,	Duplicates:	
			EMPLOYEE_EMAIL) VALUES ( 'M005',	0	
			'Meryll', '92 SaddlebrookneCalgary',	Warnings: 0	
			4587322401, 'meryll22@gmail.com' ),		
			('J003', 'Janea', '58		
			SouthmountswCalgary', 5873245670,		
			'janea@yahoo.com' ), ('D001', 'David', '38		
			BellmountseCalgary', 5874544440,		
			'davidm@gmail.com')		

6. CREATE TABLE PAYROLL (  
 PAYROLL\_ID INT PRIMARY KEY,  
 EMPLOYEE\_ID VARCHAR(255) ,  
 PAYROLL\_TYPE VARCHAR(255),  
 FOREIGN KEY (EMPLOYEE\_ID) REFERENCES EMPLOYEES(EMPLOYEE\_ID));

3	5	09:25:	CREATE TABLE PAYROLL ( PAYROLL_ID	0	0.81
3	56		INT PRIMARY KEY, EMPLOYEE_ID	row(s)	3
			VARCHAR(255) , PAYROLL_TYPE	affected	sec
			VARCHAR(255), FOREIGN KEY	d	
			(EMPLOYEE_ID) REFERENCES		
			EMPLOYEES(EMPLOYEE_ID))		

7.INSERT INTO PAYROLL (PAYROLL\_ID,  
EMPLOYEE\_ID, PAYROLL\_TYPE) VALUES (  
112, 'M005', 'MONTHLY'), (220, 'J003', 'BI-WEEKLY'), (101, 'D001', 'HOURLY');

3	5	09:36:	INSERT INTO PAYROLL	3 row(s)	0.32
4	47		(PAYROLL_ID, EMPLOYEE_ID, PAYROLL_TYPE) VALUES ( 112, 'M005', 'MONTHLY'), (220, 'J003', 'BI-WEEKLY'), (101, 'D001', 'HOURLY')	affected	8
				Records: 3	sec
				Duplicates: 0	
				Warnings: 0	

8.CREATE TABLE SALARY (  
SALARY\_ID VARCHAR(255),  
EMPLOYEE\_ID VARCHAR(255),  
SALARY\_AMT INT,  
SALARY\_TYPE VARCHAR(255),  
SALARY\_DESCRIPTION VARCHAR(255),  
FOREIGN KEY (EMPLOYEE\_ID) REFERENCES EMPLOYEES(EMPLOYEE\_ID));

3	5	09:52:	CREATE TABLE SALARY ( SALARY_ID	0	0.35
5	18		VARCHAR(255), EMPLOYEE_ID	row(s)	9
			VARCHAR(255), SALARY_AMT INT,	affecte	sec
			SALARY_TYPE VARCHAR(255),	d	
			SALARY_DESCRIPTION VARCHAR(255),		
			FOREIGN KEY (EMPLOYEE_ID)		
			REFERENCES		
			EMPLOYEES(EMPLOYEE_ID))		

9. INSERT INTO SALARY ( SALARY\_ID, EMPLOYEE\_ID, SALARY\_AMT, SALARY\_TYPE, SALARY\_DESCRIPTION) VALUES ( 'PM1', 'M005', 33000, 'PERMANENT', 'FIXED'), ('PJ2', 'J003', 43000, 'CONTRACT', 'VARIABLE'), ('PD3', 'D001', 32000, 'TEMPORARY', 'FIXED');

3	5	10:08:	INSERT INTO SALARY ( SALARY_ID,	3 row(s)	0.04
9	24		EMPLOYEE_ID, SALARY_AMT,	affected	7
			SALARY_TYPE,	Records: 3	sec
			SALARY_DESCRIPTION) VALUES (	Duplicates:	
			'PM1', 'M005', 33000, 'PERMANENT',	0 Warnings:	
			'FIXED'), ('PJ2', 'J003', 43000,	0	
			'CONTRACT', 'VARIABLE'), ('PD3',		
			'D001', 32000, 'TEMPORARY', 'FIXED')		

10. CREATE TABLE APPRAISALS (  
 APPRAISAL\_ID VARCHAR(255),  
 PAYROLL\_ID INT,  
 APPRAISAL\_TYPE VARCHAR(255),  
 APPRAISAL\_DESCRIPTION VARCHAR(255),  
 FOREIGN KEY (PAYROLL\_ID) REFERENCES PAYROLL(PAYROLL\_ID));

3	9	10:45:	CREATE TABLE APPRAISALS (	0	0.26
9	35		APPRAISAL_ID VARCHAR(255),	row(s)	5
			PAYROLL_ID INT, APPRAISAL_TYPE	affected	sec
			VARCHAR(255),	d	
			APPRAISAL_DESCRIPTION VARCHAR(255),		
			FOREIGN KEY (PAYROLL_ID)		



## REFERENCES PAYROLL(PAYROLL\_ID))

11.

```
INSERT INTO APPRAISALS ( APPRAISAL_ID, PAYROLL_ID, APPRAISAL_TYPE,  
APPRAISAL_DESCRIPTION) VALUES ( 'PAM01', 112, 'ANNUAL',  
'ACHIEVEMENTS'), ('PAJ02', 220, 'CONFIRMATION', 'GOALS AND  
ACHIEVEMENTS'), (  
'PAD03', 101, 'ANNUAL', 'ACHIEVEMENTS');
```

3	10	10:52:	INSERT INTO APPRAISALS (	3 row(s)	0.03
0	56		APPRAISAL_ID, PAYROLL_ID,	affected	1
			APPRAISAL_TYPE,	Records: 3	sec
			APPRAISAL_DESCRIPTION) VALUES (	Duplicates:	
			'PAM01', 112, 'ANNUAL',	0	
			'ACHIEVEMENTS'), ('PAJ02', 220,	Warnings: 0	
			'CONFIRMATION', 'GOALS AND		
			ACHIEVEMENTS'), ( 'PAD03', 101,		
			'ANNUAL', 'ACHIEVEMENTS')		