

FK key

Employee

By hour :- hourly rate
for all employees

I need id to access employee in database

Hourly Employee

Date	hours worked

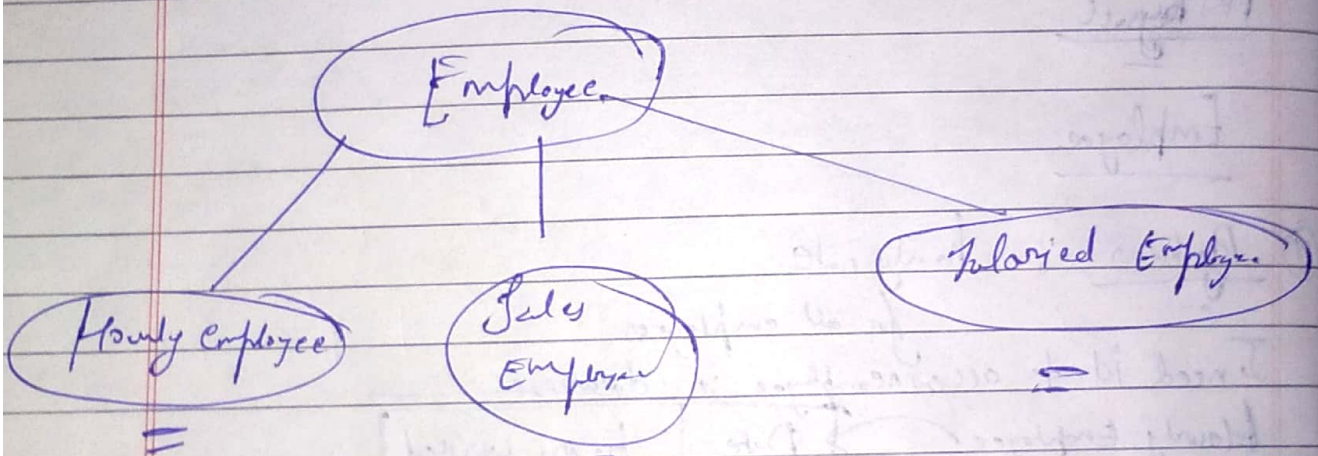
flat salary :- monthly salary, fixed salary without commission

③ Sales Employees:- Commission Rate in %
Sales Employee →

Date	Amount

④ All Employees have a field Mode of payment.

⑤ Any employee can be a union member with weekly rate and .



Employee Interface {
✓ Name
✓ ID

Calculate Salary (rate, last paid, now)

✓ Address
✓ MOD

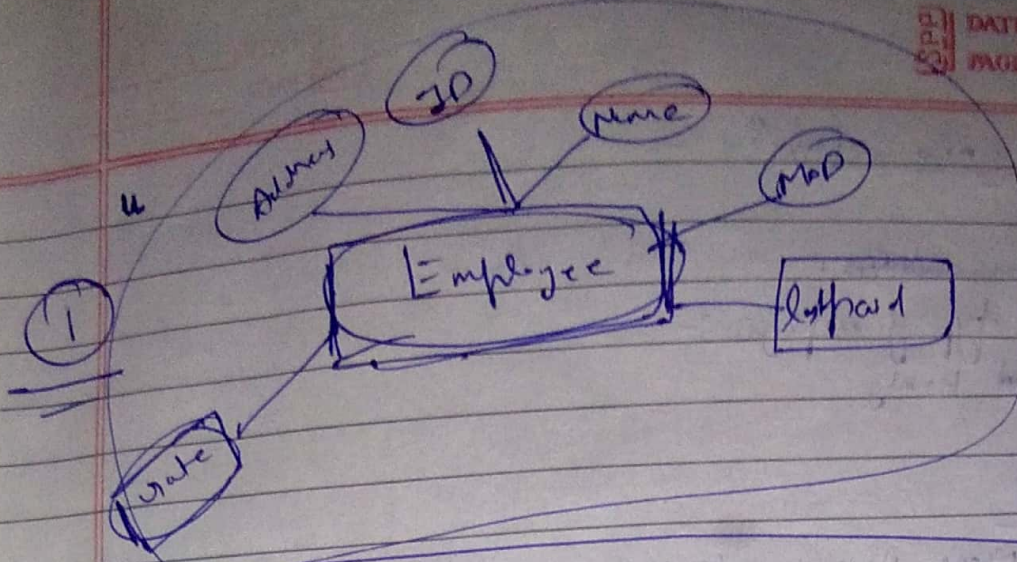
bad Union

rate

last paid

double salary

GOOD WRITE



Admin will
 Insert values directly
 java -cp a:mysql-connector Admin

1. Single table of all employees

Name	Address	Mob	Date	Salary	Type	Salary

For updating

Date	Amount

sales

Date	Amount	Organ

Type	Amount

3 normal

How add a new employee?

⇒ Take ~~name, address~~.
First ask type of employee :-
1 ~~Hourly~~ Hourly

~~2 Salary~~

3 Salaryed

Input Name, Address, ~~rate, m=0~~

Ask if type = 1 last Date as now
type = 2 last Date as now

Some salary employees are working on commission
They get their commission on every other Friday.

Main thing

~~For all~~ Employee obj;
for emp : Employee Table

[Read ~~id~~ type, rate, salary, last Date

if type = 1 obj = new Hour Emp(~~rate~~, ~~last Date~~)
else obj = new Sal(~~rate~~, ~~last Date~~, salary)

obj.calculateSalary(now)

Calculate salary (date)

[for record in Date Table
if date > lastDate

amount ^{have} + amount

Print (Salary)

update last Date

GOOD WRITE

Main Interface

① Add daily stamp of an hourly employee using its id.

②

→ Main function is:- input date and
output: for all employees then paycheck from last
paid to input.

1 Implement employee schema

2 Make function calcd(id) for hour
and push

~~last~~

first name, middle salary, type.

Table (Date Amount) Dailywork

and write query which return an array of hours worked from 1st Payment to

and create function to calculate salary.

Dailywork				
id	time	hours	empID	Employee

Mysql date \Rightarrow Year-Month-Day

In query we need to pass date as Year-MM-Day

time = '2020-05-09', hours 8, 2

Salary Employee

Commission	Date	organization	Amount	empID

② Calculate salary (Date, commission)

① Calculate Commission from Commission last paid

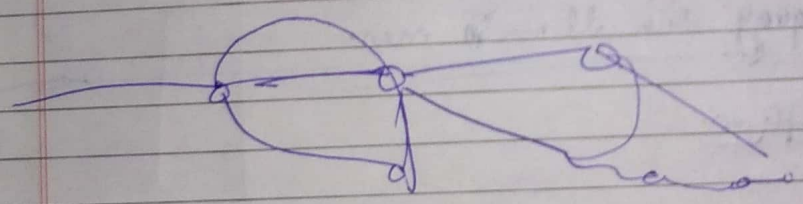
② Salary from last paid

- DATE: / /
PAGE
- 7/4
- and
- * Need to add a column in Employee last paid
 - * Create Commission Table
 - * Create function Employee day
 - * with function Calculate Commission and Calculate salary.

la Commis date
 last Commission Date of datetime default now() No need

If only date select date(legendate) as only date

⇒ Before calling function set lastPaid, last bonus and if day is not Friday then ignore else update

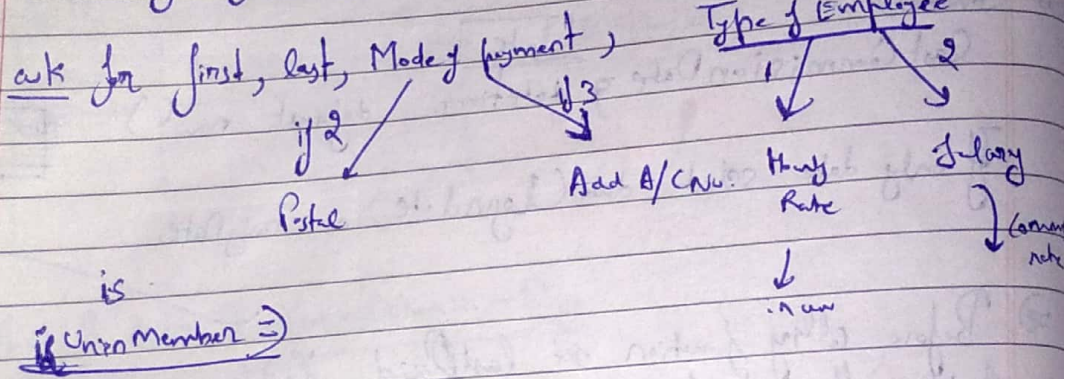


GOOD WRITE

Mode of payment

- 1 Pickup Paymaster
- 2 Add Postal Address ✓
- 3 Add A/c No. ✓

Make interface for Add a new employee

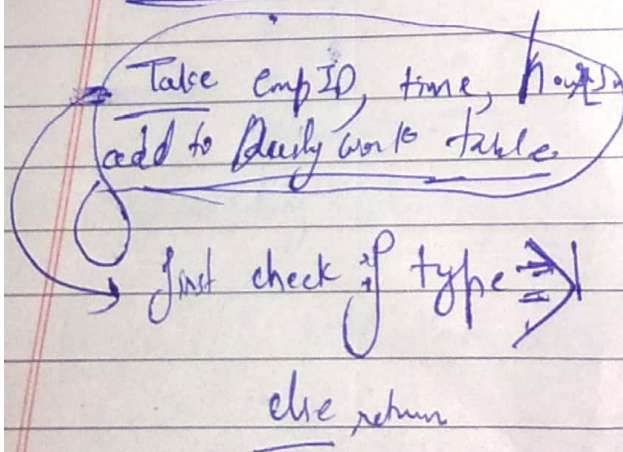


insert into Employees

Return a query which will run in menu.

Delete employee

Post Time card



Post Sales Receipt

Commission table

time, place, amount, empID

Payment Rolling

SDLC

Repeatable action of daily improvement is innovation

Design System for ideal case first.

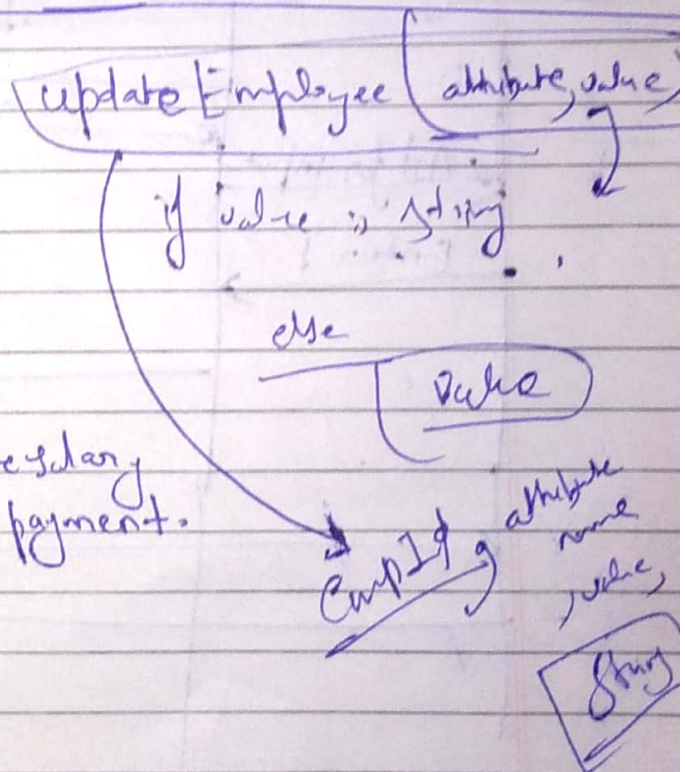
Paying Employees

1 Hourly employee

Take date as input string.
Convert it into date object.
and pass to HourlyEmployee calculate salary
and output based on Mode of payment.
update last paid

update Employee

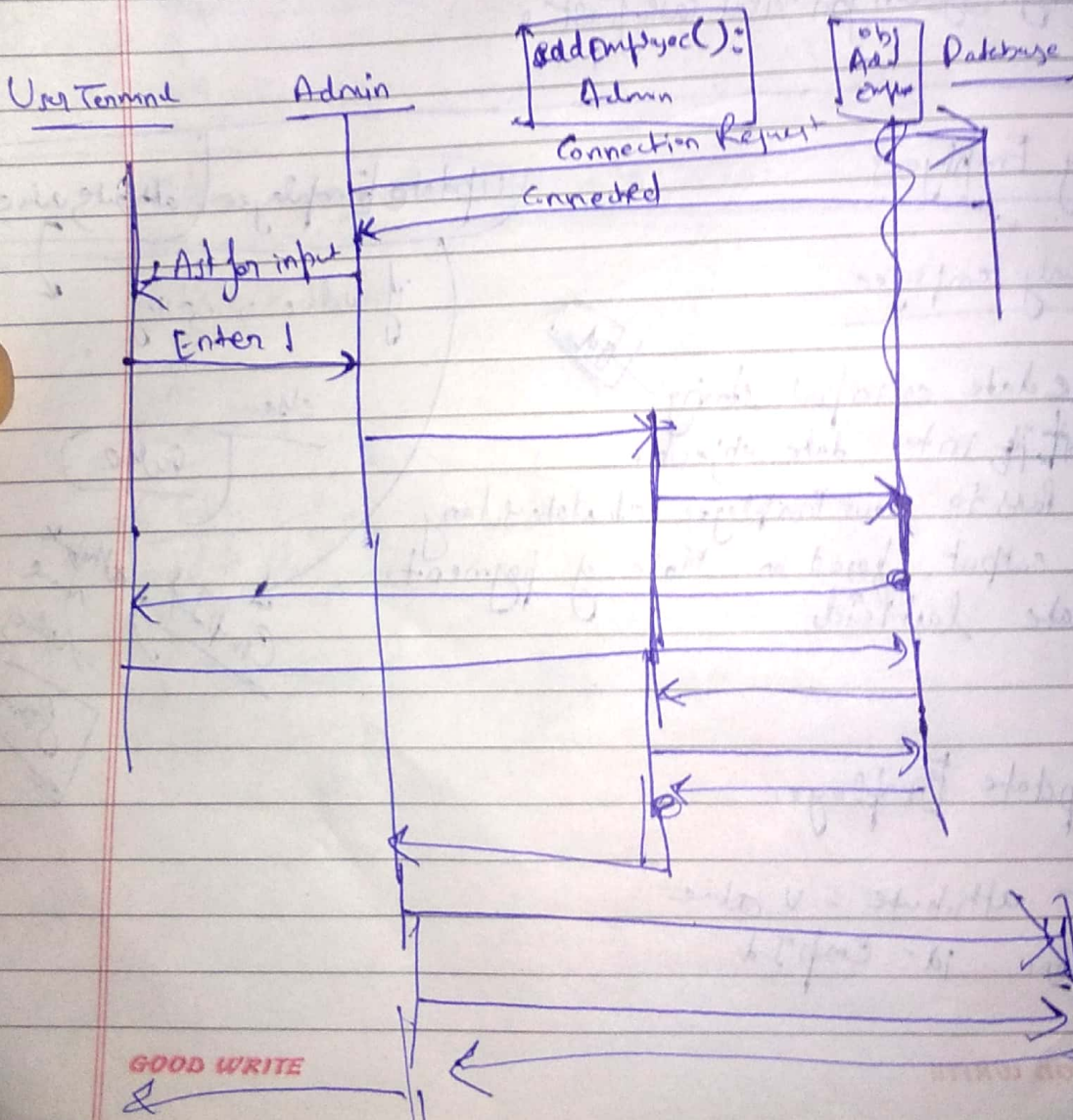
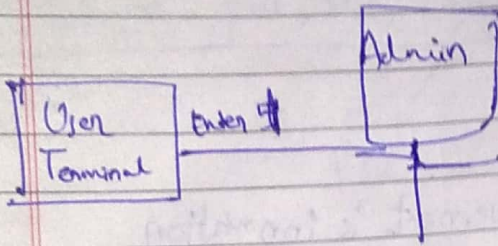
get attribute = value
where id = empId



160

Assumption

* Entered Date should be in interesting order



Q Post Time Card

User Post Time Card Post Time Card

3

new() Post Time Card

Input

return

queryGenerator

query

Query

Create

Time

Post Time Receipt