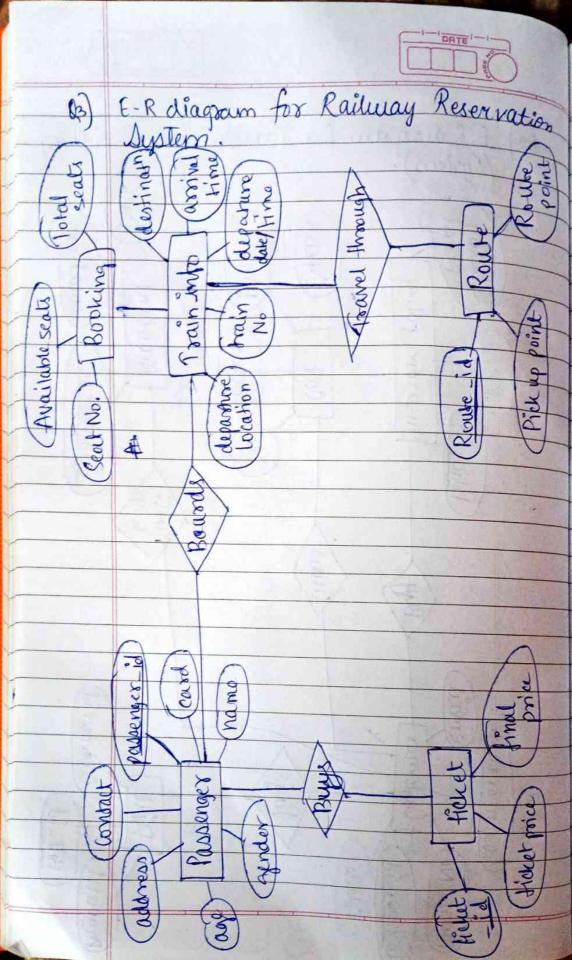
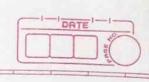
E-R diagram for library Management System. 91)

(System). Car Insurance Agency



Create and execute DDL commands using
381.
DDL commands are :-
Create, Alter, Drop, Truncate,
) sop i suricuse
Create:
Create table employee (Id integer,
emp name varchar (20), hire date
date);
Alter:
Alter table employee
ADD city varchar (20);
Dmo !-
Drop table employee;
Touncate:
Tourcate table employees;
Apply following contraint into
Apply following contraints on table employee!
Primary Key (ii) Not Null Check constraint.
ineck constraint.



(i) Primary Key:-

primary key, emp-name varchar (20), hire date date);

(ii) Not Null:

Create table employee (Id integer I, emp\_name varchar (20) NOT NULL hire-date date);

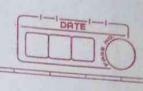
(iii) Check constraint :-

Create table employee (Id integer, emp-name, emp-age INT Cheek (emp sage > 18));

Ose Create & execute DML commands using Sql.

DML commands are:
Insert, Update, Delete, Select

(i) Insest:



Create table employee

(emp-id INT primary key, emp-hame

Varchar (100) NOT NVLL, emp-age

check (emp-age > 18));

Insert into employee

Insert înto employee (emp-1d, emp. num, emp. age) values (1, 'John', 30), (2, 'Smith', 25);

(ii) Update:

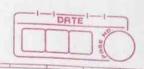
(iii) Select :-

(iv) Delete :-

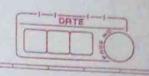
Johnsthan Doe, emp-age = 32
where emp-id = 1;

Select \* from employee;

Delete from employee where emp-id = 2;



87)	Meite queries using following operator
(;)	Range searching operator
7)	Between :-
15 4315	Setect * from employee where
A 11 (0) A	Setect * from employee where emp. age between 20 AND 30;
(11)	Pattern Marching Operator
カ	Like :-
115	Select * known employee where
	Select * from employee where emp-name like 15%;
	si ki kilomiy vadagensky
Q8]	
- Go)	lebrite que sies using following
(i)	String ("i") Arithmetic.
2)(1	String =
	1100000°= 001 0
	Upper: Select emp_id UPPER
	(emp_name) AS upper_name From employee;
	in proces
	The state of the s



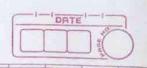
· Substring or LEFT:

Delect emp\_id, SUBSTRING (emp\_name, 1, 3) AS short-name from employee;

OR

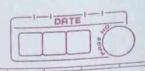
sclect emp\_id LEFT (emp\_name, 3) AS short\_name from employee;

- emp\_name) As name\_length from employee;
- emp\_name, '- Employee') As full\_description from employee;
- (ii) Anthmetic :-
  - Add: Select emp\_id, emp\_name, emp\_age + 5 As age\_in\_5 years from employee;
    - Power: Select emp\_id, emp\_name, POWER (emp\_age, 2) AS age\_squared from employee;



- · AVG: Select AVG (emp-age) AS
  auerage-age from employee;
- MOD: Select emp-id, emp-name MOD (emp-age, 10) AS sumainder from employee;
- 99] thrite queries using following functions
  (9) Date & Time
  (ii) Aggregate funct
  - (i) Date & Time :-
    - · Now(); Selet Now() As current - date time;
- YEAR (hire\_date) AS
  hire-year from employee;
  - DATE\_ADD(): Delect emp\_id, emp\_name,
    DATE\_ADD (hire\_date,
    INTERVAL 30 DAY) AS
    probation\_end\_date from

employee;



(ii) Aggregate function :-

· COUNT: - Select count (\*) AS total employees from employee;

MAX: Select MAX (empage) AS max-age from employee;

· MIN: - Select MIN (emp\_age) AS min\_age from employee;

· SUM: - Select SUM (emp\_age) AS total\_age from employee;

(310) lexecute queries using select command with (1) WHERE clause.

-> (i) WHERE clause: Select emp\_id, emp\_name, salary from employee

WHERE salary>50000;

(ii) HAVING clause: - Select dept-id, AVG

(salary) AS avg salary from employee group by dept id

HAVING AVG (salary) 60000: