

create the tables & do the specified queries

Lab-1 program

18/11/21

primary & foreign key

- 1) person
- 2) car
- 3) Accident
- 4) owns
- 5) participated.

create table person (driver-id varchar(15), name varchar(10),
address varchar(20),
primary key (driver-id)
);

create table ~~Accident~~ (regno string varchar(15),
model varchar(10),
Year int,
primary key (regno)
);

create table Accident (report-number int,
date int
location varchar(20)
primary key (report-number)
);

create table ~~participated~~ (driver-id varchar(10),
Regno varchar(15),
report-number int,
damage-amount int.
primary key (driver-id; regno),
foreign key (driver-id) references person (driver-id)
foreign key (regno) references Car (regno)
foreign key (report-number)
);
foreign key (damage-amount) references

create table owns (driver id int

Regno varchar(15)

primary key (driver id, Regno)

foreignkey (driver id) reference person(driver id)

foreignkey (Regno) reference Car(Regno)

);

(ii) Enter 5 tuples

INSERT INTO person ('right', shweta, 'Bangalore');

INSERT INTO CAR

ACCIDENT

OWNS

PARTICIPATED

(iii)(a) update participated set 'damage amount' = '25,000'
where 'report number' = '12'.

(b) INSERT INTO ACCIDENT (

(iv) SELECT COUNT (*) ^{from accident.} where ^{car} 'year' = 2008;

v) SELECT COUNT (*) from ACCIDENTS, CAR where
car.model = 'Indica'

II Banking Insurance

Lab 2-p
19/4/21

Branch (branchname (string, city, asset: real)

Accounts (accno (int), branchname, balance (real)

depositor (customer-name: string, customer-street: string
customer-city: string)

loan (Loan-number: int, branch-name, amount: real)

Borrower (customer-name: string, loan-number: int)

i) create above tables and specify primary & foreign key

create branch (branchname varchar(10),

city varchar(10), primary key,

asset real;

);

create Accounts (accno int, primary key,
branch name varchar(10),

balance real,

foreign key (branchname) reference branch (branchname);

create depositor (customername varchar(10), primary key,

customerstreet varchar(15),

customercity varchar(10).

);

create loan (Loan-number int,

branchname varchar(10),

amount real

foreign key (branchname) reference branch (branchname);

create borrower (customername varchar(10),

Loan-number int primary key.

(ii) Enter atleast five tuples for each relation.

Insert into branch values ('bidakbank', 'bidak', 34);

Insert into accounts values (23, ('bidakbank', 346);

Insert into depositor values ('shweta', 'Bidak', 'banglore');

insert into loan values (23, 'bbank', 364);

insert into borrower values ('shweta', '464');

(iii) Find all customers who have at least two accounts at main branch.

select ^{count} (customername) from depositor where ~~branchname = 'bidak'~~ branchname = 'bidakbank';

(iv) select ~~count~~ customername from customers where customercity = 'bidak';

(v) delete * from drop table where customercity = 'bidak';