CREATE TABLE COMMANDS

create table event(

Eid varchar(10) primary key,

Ename varchar(20),

Budget int,

Location varchar(20),

No_of_guests int);

 create table client(

Cid varchar(10) primary key,

Cname varchar(30),

Phone_no varchar(10),

Address varchar(20),

DOB varchar(20),

Eid references event(Eid)on delete cascade);

create table staff(

Sid varchar(10) primary key,

Sname varchar(20),

Phone_no varchar(10),

```sql
Address varchar(20),

DOB varchar(20),

Eid references event(Eid)on delete cascade,

Cid references client(Cid)on delete set null);


 create table expenditure(

Date1 varchar(20),

Amount int,

Eid references event(Eid)on delete cascade,

Item_name varchar(20));


 create table bill(

Cid references client(Cid)on delete set null,

Eid references event(Eid)on delete cascade,

Payment_type varchar(20),

T_amount int,

Date1 varchar(20)

primary key(Cid,Eid));
```

INSERT INTO COMMANDS

insert into event values('111','Birthday Party',200000,'Bangalore',60);

insert into event values('222','NewYear Party',800000,'Bangalore',200);

insert into event values('333','Diwali Party',400000,'Delhi',150);

insert into event values('444','Wedding',3000000,'Jaipur',300);

insert into event values('555','Naming ceremony',300000,'Mumbai',100);

insert into client values('1','Anvitha B','9987605310','abc','19-Nov-2001','555');

insert into client values('2','Dhanush V','9987605318','xyz','20-Aug-2002','444');

insert into client values('3','Ria M','9987605316','mno','07-Nov-2003','222');

insert into client values('4','Tonu','9987605315','pqr','05-Dec-2001','333');

insert into client values('5','Angel','9987605311','def','11-Jan-2002','111');

```
insert into staff values('11','Chirag G A','9986583424','asd','28-Aug-2002','222''3');

insert into staff values('22','Tushar Kaze','9986583426','umn','30-Dec-2002','444','2');

insert into staff values('33','Arya Pillu','9986583428','ghi','23-Dec-2002','444','2');

insert into staff values('44','Sinchana SH','9986583429','klm','07-Jul-2002','333','4');

insert into staff values('55','Divya N','9986583423','rst','01-Jan-2003','111','5');


insert into expenditure values('09/05/23',5000,'111','Cake');

insert into expenditure values('30/12/22',300000,'222','Food');

insert into expenditure values('14/11/22',100000,'333','Crackers');

insert into expenditure values('02/02/23',50000,'444','Wedding dress');

insert into expenditure values('16/02/23',6000,'555','Toys');


insert into bill values('1','555','Card',310232,'19/02/23');

insert into bill values('2','444','Cheque',3422686,'11/02/23');

insert into bill values('3','222','Cheque',756868,'02/01/23');

insert into bill values('4','333','Cash',465787,'17/11/22');
```

insert into bill values('5','111','Gpay',198236,'11/05/23');

AVAILABLE TABLES

Event

Eid	Ename	Budget	Location	No_of_guests
111	Birthday Party	200000	Bangalore	60
222	NewYear Party	800000	Bangalore	200
333	Diwali Party	400000	Delhi	150
444	Wedding	3000000	Jaipur	300
555	Naming ceremony	300000	Mumbai	100

Client

Cid	Cname	Phone_no	Address	DOB	Eid
1	Anvitha B	9987605310	abc	19-Nov-2001	555
2	Dhanush V	9987605318	xyz	20-Aug-2002	444
3	Ria M	9987605316	mno	07-Nov-2003	222
4	Tonu	9987605315	pqr	05-Dec-2001	333
5	Angel	9987605311	def	11-Jan-2002	111

Staff

Sid	Sname	Phone_no	Address	DOB	Eid	Cid
11	Chirag G A	9986583424	asd	28-Aug-2002	222	3
22	Tushar Kaze	9986583426	umn	30-Dec-2002	444	2
33	Arya Pillu	9986583428	ghi	23-Dec-2002	444	2
44	Sinchana SH	9986583429	klm	07-Jul-2002	333	4
55	Divya N	9986583423	rst	01-Jan-2003	111	5

Expenditure

Date1	Amount	Eid	Item_name
09/05/23	5000	111	Cake
30/12/22	300000	222	Food
14/11/22	100000	333	Crackers
02/02/23	50000	444	Wedding dress
16/02/23	6000	555	Toys

Bill

Cid	Eid	Payment_type	T_amount	Date1
1	555	Card	310232	19/02/23
2	444	Cheque	3422686	11/02/23
3	222	Cheque	756868	02/01/23
4	333	Cash	465787	17/11/22
5	111	Gpay	198236	11/05/23

QUERIES

1. Reterive the staff name where two or more staff works for same event.

 select sname

from staff

where eid in (select e.eid

from event e,staff s

where e.eid=s.eid

group by s.eid

having count(*)>1);

Output

Sname
Tushar Kaze
Arya Pillu

2.Update the no of guests for event whose payment mode is cheque.

update event

set No_of_guests=280

where Eid IN(select Eid

from bill

where Payment_type='Cheque');

 select * from event;

Output

Eid	Ename	Budget	Location	No_of_guests
111	Birthday Party	200000	Bangalore	60
222	NewYear Party	800000	Bangalore	280
333	Diwali Party	400000	Delhi	150
444	Wedding	3000000	Jaipur	280
555	Naming ceremony	300000	Mumbai	100

3.Show the resulting amount if every item belonging to diwali party has to pay 10% gst.

 select e.Ename,e.Eid,1.1*b.T_amount as "INCR_AMT"

from event e,expenditure ex,bill b,

where e.Ename='Diwali Party',

and e.Eid=ex.Eid,

and ex.Eid=b.Eid;

Output

Ename	Eid	INCR_AMT
Diwali Party	333	512365.70000000007

4.For each event that has more than 180 guests reterive event no,event name which are located in Bangalore

 select e.Eid,e.Ename

from event e

where e.Location='Bangalore'

and e.No_of_guests>180;

Output

Eid	Ename
222	NewYear Party

 5.Create an assertion when total amount exceeds the budget for a given event.

 create ASSERT budget constraint

CHECK(NOT EXISTS (select *

from bill b,event e

where b.T_amount>e.Budget

and b.Eid=e.Eid));