

**AMERICAN INTERNATIONAL UNIVERSITY –BANGLADESH (AIUB)**

**Database Project**

**On**

**Shajahan Event Planner and Management System**

**Submitted to: Sifat Rahman Ahona**

**Section: B**

**Group Members**

|  |  |  |
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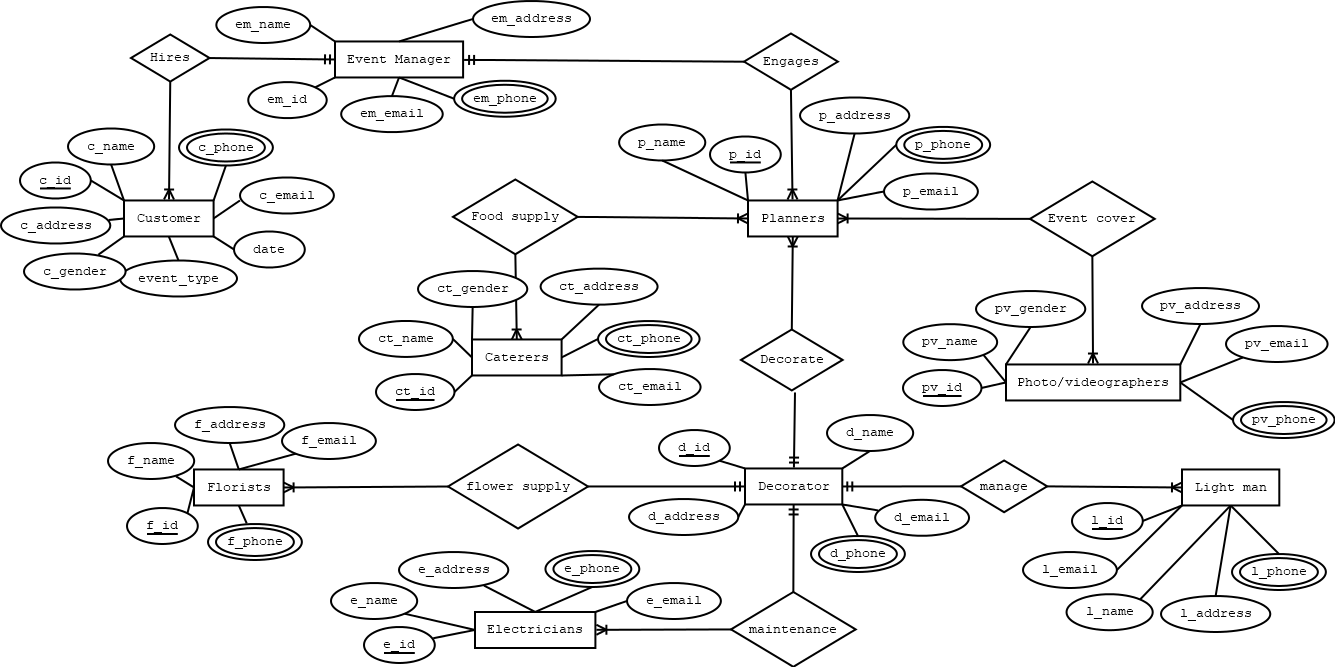
Introduction

The project is all about making a database for Shajahan event planner and management system. Here we will be sorting all information of planners, customers, event manager and other co-worker. Shajahan is an event management system that organized many types of in-house events. This database is efficient for an event management system like Shajahan.

Case statement

Shajahan event planner and management limited have few groups of people whose planning and work organize a successful event .The event manager gives direction to those people .Our database system stores manager’s name, address, email, phone number .Customer deals with the manager to help them organize and event and the manager keeps customer’s id, name, address, gender, email, phone, event type and date. Event manager handle group of planner, who makes better plan to make event more gorgeous, charming and efficient .Every planner has planner-id, name, address, email, phone number. Planner set all the group to work in their position and keep info of caterers, photographer / videographer and decorator. Planner store details of caterers and photographer/videographer id , name ,address, gender, email, phone number .Decorator manages electrician , florist and light-man .Decorator has id, name , address, email, phone .Decorator keeps information of electrician, florist, light-man (id, name, email, address and phone number)

ER-Diagram



Normalization

Relation: Hires(c\_id, c\_name, c\_address, c\_gender, c\_phone, c\_email, date,

event\_type, em id, em\_name, em\_address, em\_phone, em\_email)

1NF: c phone, em\_phone are multivalued attribute.

2NF: c id, c\_name, c\_address, c\_gender, c\_phone, c\_email, data, event\_type, em\_id.

em id , em\_name, em\_address, em\_phone, em\_email.

3NF: No transitive dependency

Table: c id, c\_name, c\_address, c\_gender, c\_phone, c\_email, data,event\_type, em\_id.

em id,em\_name, em\_address, em\_phone, em\_email.

Relation : Engages(em id, em\_name, em\_address, em\_email, em\_phone, p id,p\_name, p\_address, p\_email, p\_phone)

1NF: em\_phone, p\_phone are multivalued attribute.

2NF: em id, em\_name, em\_address, em\_email, em\_phone.

p id, p\_name, p\_address, p\_email, p\_phone, em\_id.

3NF: No transitive dependency.

Tables: em id, em\_name, em\_ address, em\_email, em\_ phone. p id, p\_name, p address, p\_email, p\_phone, em\_id

Relation: Foods supply(ct id, ct\_name, ct\_gender, ct\_address,

ct\_email, ct\_phone, p id, p\_ name, p\_ address, p\_email, p\_phone.)

1NF: ct\_phone, p\_phone are multivalued attribute.

2NF: ct id, ct\_name, ct\_gender, ct\_address, ct\_email, ct\_phone.

p id, p\_name, p\_address, p\_email, p\_phone

pct id, ct\_id, p\_id.

3NF: No transitive dependency.

Tables: ct id, ct name, ct\_gender, ct\_address, ct\_email, ct\_phone.

p id, p\_name, p\_address, p\_email, p\_phone

pct id, ct\_id, p\_id.

Relation: Event cover (pv id, pv\_name, pv\_gender, pv\_address, pv\_email,

pv\_phone, p id, p\_name, p\_address, p\_email, p\_phone)

1NF: p\_phone, pv\_phone are multivalued attribute.

2NF: pv id, pv\_name, pv\_gender, pv\_address, pv\_ emai,pv\_phone.

p id, P name, p.adress,p,\_email, p\_ phane.

ppv id, pv\_id, p\_id.

3NF: No transitive dependency.

Tables: pv id, pv\_name, pv\_gender, pv\_address, pv\_email, pv\_phone.

p id, p\_name, p\_ address, p\_email, p\_phone.

ppv id, pv\_id, p\_ id.

Relation: Decorate ( p id, p\_name, p\_address, p\_email, p\_phone, d id

d\_name, d\_address, d\_email, d\_phone)

1NF: p\_phone, d\_phone are multivalued attribute.

2NF: p id, p\_name, p\_address, p\_ email, P\_phone, d\_id.

d\_id, d\_name, d\_address, d\_email, d\_phone.

3NF: No transitive dependency.

Table: p id, p\_name, p\_address, p\_ email, P\_phone, d\_id.

d\_id, d\_name, d\_address, d\_email, d\_phone.

Relation: Flower supply( f id, f\_name, f\_address, f\_email, f\_phone, d id, d-name,

d\_address, d\_email, d\_phone)

1NF: f\_phone, d\_phone are multivalued attribute.

2NF: f id, f\_name, f\_address, f\_email, f\_phone, d\_id.

d id, d-name, d\_address, d\_email, d\_phone.

Tables: f id, f\_name, f\_address, f\_email, f\_phone, d\_id d id, d\_name, d\_address, d\_email, d\_phone

Relation: Manage( I id, I\_name, I\_address, l\_email, I\_phone, d id, d \_name,

D\_address, d\_email, d\_phone)

1NF: L\_phone, d\_phone are multivalued attribute.

2NF: L id, I name, L\_address, I\_email, Lphone, d\_id. d id, d-name, d\_address, d\_email, d\_phone.

3NF: No transitive dependency.

Tables: I id, Iname, I\_address, Lemail, Iphone, d\_id. d id, d-name,d address, d\_email, d\_phone.

Relation: maintaince ( e id, e\_name, e\_address, e\_email, e\_phone, d id, d name,d\_address, d\_email, d\_phone)

1NF: e\_phone, d\_phone are multivalued attribute.

2NF: e id, e\_name, e\_address, e\_email, e\_phone, d\_id.

d id, d\_name, d\_address, d\_email, d\_phone.

3NF: No transitive dependency

Tables: e id, e\_name, e\_address, e\_email, e\_phone, d\_id. d id, d\_name, d\_address, d\_email, d\_phone.

Total tables:

1. c id, c\_name, c\_address, c\_gender, c\_phone, c\_email, data,

event\_type, em\_id.

2. em id, em\_name, em\_address, em\_phone, em\_email.

3. em id, em\_name, em\_address, em\_email, em\_phone.

4. p id, p\_name, p\_ address, p\_email, p\_phone, em\_id.

5. ct id, ct\_name, ct\_gender, ct\_address, ct\_email,ct phone.

6. p id, p\_name, p\_address, p\_email, p\_phone

7. pct id, ct\_id, p\_id.8. py id, pv\_name, pv gender, pv address, pv\_email, pv\_phone.

9. p id, p\_name, p\_address, p\_email, p\_phone.

10,ppv id, pv\_id, p\_id.

11.p id, p\_name, p\_address, p\_email, p\_phone, d\_id.

12. d id, d\_name, d\_address, d\_email, d\_phone.

13. f id, f\_name, f\_address, f\_email, f\_phone, d\_id

14. d id, d-name, d\_address, d\_email, d\_phone.

15. I id, I\_name, Laddress, I\_email, Lphone, d\_id.

16. d id, d-name, d\_address, d\_email, d\_phone.

17. e id, e\_name, e\_address, e\_email, e\_phone, d\_id.

18.d id, d\_name, d\_address, d\_email, d\_phone.

Final Table

1. c id, c\_name, c\_address, c\_gender, c phone, c\_email,date, event\_type,

em\_id.

2. em id ,em\_name, em\_address, em\_phone, em\_email.

3. p id, p\_name, p\_address, p\_email, p\_phone, em\_id.

4. ct id, ct\_name, ct\_gender, ct\_address, ct\_email,ct\_phone.

5. pct id, ct\_ id, p\_id.

6. pv id, pv\_name, pv\_gender, pv\_address, pv\_email, pv\_phone.

7. p id, p\_name, p\_address, p\_email, p\_phone.

8. ppv id, pv\_id, p\_id.

9. d id, d\_name, d\_address, d\_email, d\_phone.

10. f id, f\_name, f\_address, f\_email, f\_phone, d\_id.

11. I id, I\_name, Laddress, ILemail, Lphone, d\_id.

12. e id, e\_name, e\_address, e\_email, e\_phone, d\_id.

Table creation and value insertion

create table customers

(

customers\_id number(10) primary key,

customers\_name varchar2(20),

customers\_address varchar2(20),

customers\_gender varchar2(6),

customers\_phone number(11),

customers\_email varchar2(50),

event\_date date,

event\_type varchar2(20),

event\_manager\_id number(10),

foreign key(event\_manager\_id) references event\_manager(event\_manager\_id)

)

create sequence customersid

increment by 1

start with 201

maxvalue 205

nocache

nocycle

insert into customers

(customers\_id,customers\_name,customers\_address,customers\_gender,customers\_phone,customers\_email,event\_date,event\_type,event\_manager\_id)

values(customersid.nextval,'heera','norshingdi','male','01723456789','heera@gmail.com','16-april-2019','marriage\_anniversary','100')

insert into customers

(customers\_id,customers\_name,customers\_address,customers\_gender,customers\_phone,customers\_email,event\_date,event\_type,event\_manager\_id)

values(customersid.nextval,'ahanab','uttara','male','01723456222','ahanab@gmail.com','20-april-2019','marriage\_ ceremony','100')

insert into customers

(customers\_id,customers\_name,customers\_address,customers\_gender,customers\_phone,customers\_email,event\_date,event\_type,event\_manager\_id)

values(customersid.nextval,'sajedul','bashundhara','male','01723456333','sajedul@gmail.com','16-may-2019','marriage\_anniversary','100')

insert into customers

(customers\_id,customers\_name,customers\_address,customers\_gender,customers\_phone,customers\_email,event\_date,event\_type,event\_manager\_id)

values(customersid.nextval,'ahona','dhaka','female','01901928376','ahona@gmail.com','16-june-2019','birthday','100')

insert into customers

(customers\_id,customers\_name,customers\_address,customers\_gender,customers\_phone,customers\_email,event\_date,event\_type,event\_manager\_id)

values(customersid.nextval,'faysal','narayanganj','male','01723456456','faysal@gmail.com','14-april-2019','marriage\_anniversary','100')

create table event\_manager

(

event\_manager\_id number(10) primary key,

event\_manager\_name varchar2(20),

event\_manager\_address varchar2(20),

event\_manager\_phone number(11),

event\_manager\_email varchar2(50)

)

insert into event\_manager

( event\_manager\_id,event\_manager\_name,event\_manager\_address,event\_manager\_phone,event\_manager\_email)

values( '100','sabbir','uttara','01728318749','sabbir@gmail.com')

create table planners

(

planners\_id number(10) primary key,

planners\_name varchar2(20),

planners\_address varchar2(20),

planners\_email varchar2(50),

planners\_phone number(11),

event\_manager\_id number(10),

foreign key(event\_manager\_id) references event\_manager(event\_manager\_id)

)

insert into planners

( planners\_id,planners\_name,planners\_address,planners\_email,planners\_phone,event\_manager\_id)

values( '301','raihan','bashundhara','raihan@gmail.com','017892765432','100')

insert into planners

( planners\_id,planners\_name,planners\_address,planners\_email,planners\_phone,event\_manager\_id)

values( '302','imran','gulshan','imran@gmail.com','019292765432','100')

insert into planners

( planners\_id,planners\_name,planners\_address,planners\_email,planners\_phone,event\_manager\_id)

values( 303','susmita','mohammodpur','susmita@gmail.com','019992765432','100')

insert into planners

( planners\_id,planners\_name,planners\_address,planners\_email,planners\_phone,event\_manager\_id)

values( '304','jubayer','khilkhet','jubayer@gmail.com','018888765432','100')

insert into planners

( planners\_id,planners\_name,planners\_address,planners\_email,planners\_phone,event\_manager\_id)

values( '305','alamin','mirpur','alamin@gmail.com','017892765442','100')

create table caterers

(

caterers\_id number(10) primary key,

caterers\_name varchar2(20),

caterers\_gender varchar2(6),

caterers\_address varchar2(20),

caterers\_email varchar2(50),

caterers\_phone number(11)

)

insert into caterers

( caterers\_id, caterers\_name, caterers\_gender, caterers\_address, caterers\_email, caterers\_phone )

values ('401', 'babulal', 'male', 'lalbagh', 'babulal@gmail.com', '01919214544')

insert into caterers

( caterers\_id, caterers\_name, caterers\_gender, caterers\_address, caterers\_email, caterers\_phone )

values ('402', 'noor', 'male', 'mirpur', 'noor@gmail.com', '01919213334')

insert into caterers

( caterers\_id, caterers\_name, caterers\_gender, caterers\_address, caterers\_email, caterers\_phone )

values ('403', 'neel', 'female', 'uttara', 'neel@gmail.com', '01779214544')

insert into caterers

( caterers\_id, caterers\_name, caterers\_gender, caterers\_address, caterers\_email, caterers\_phone )

values ('404', 'aniqa', 'female', 'bashundhara', 'aniqa@gmail.com', '01889214544')

insert into caterers

( caterers\_id, caterers\_name, caterers\_gender, caterers\_address, caterers\_email, caterers\_phone )

values ('405', 'shamim', 'male', 'badda', 'shamim@gmail.com', '01619214544')

create table planners\_caterers

(

pct\_id number(10) primary key,

caterers\_id number(10),

foreign key(caterers\_id) references caterers(caterers\_id),

planners\_id number(10),

foreign Key(planners\_id) references planners(planners\_id)

)

insert into planners\_caterers

( pct\_id, caterers\_id, planners\_id )

values ( '501','401','301')

insert into planners\_caterers

( pct\_id, caterers\_id, planners\_id )

values ( '502', '402', '302')

insert into planners\_caterers

( pct\_id, caterers\_id, planners\_id )

values ( '503', '403', '303')

insert into planners\_caterers

( pct\_id, caterers\_id, planners\_id )

values ( '504','404', '304' )

insert into planners\_caterers

( pct\_id, caterers\_id, planners\_id )

values ( '505','404','305')

create table photo\_videographers

(

photo\_videographers\_id number(10) primary key,

photo\_videographers\_name varchar2(20),

photo\_videographers\_gender varchar2(6),

photo\_videographers\_address varchar2(20),

photo\_videographers\_email varchar2(50),

photo\_videographers\_phone number(11)

)

insert into photo\_videographers

(photo\_videographers\_id,photo\_videographers\_name,photo\_videographers\_gender,photo\_videographers\_address,photo\_videographers\_email,photo\_videographers\_phone)

values('601','sourav','male','khilgaon','sourov@gmail.com','01192837465')

insert into photo\_videographers

(photo\_videographers\_id,photo\_videographers\_name,photo\_videographers\_gender,photo\_videographers\_address,photo\_videographers\_email,photo\_videographers\_phone)

values('602','rafsan','male','uttara','rafsan@gmail.com','01792837465')

insert into photo\_videographers

(photo\_videographers\_id,photo\_videographers\_name,photo\_videographers\_gender,photo\_videographers\_address,photo\_videographers\_email,photo\_videographers\_phone)

values('603','polash','male','khilkhet','polash@gmail.com','01882837465')

insert into photo\_videographers

(photo\_videographers\_id,photo\_videographers\_name,photo\_videographers\_gender,photo\_videographers\_address,photo\_videographers\_email,photo\_videographers\_phone)

values('604','asif','male','uttara','asif@gmail.com','01772837465')

insert into photo\_videographers

(photo\_videographers\_id,photo\_videographers\_name,photo\_videographers\_gender,photo\_videographers\_address,photo\_videographers\_email,photo\_videographers\_phone)

values('605','sabrina','female','mirpur','sabrina@gmail.com','01737837465')

create table planners\_photo\_videographers

(

ppv\_id number(10) primary key,

photo\_videographers\_id number(10),

foreign key(photo\_videographers\_id) references photo\_videographers(photo\_videographers\_id),

planners\_id number(10),

foreign key(planners\_id) references planners(planners\_id)

)

insert into planners\_photo\_videographers

(ppv\_id,photo\_videographers\_id,planners\_id)

values('701','601','301')

insert into planners\_photo\_videographers

(ppv\_id,photo\_videographers\_id,planners\_id)

values('702','602','302')

insert into planners\_photo\_videographers

(ppv\_id,photo\_videographers\_id,planners\_id)

values('703','603','303')

insert into planners\_photo\_videographers

(ppv\_id,photo\_videographers\_id,planners\_id)

values('704','604','304')

insert into planners\_photo\_videographers

(ppv\_id,photo\_videographers\_id,planners\_id)

values('705','605','305')

create table decorator

(

decorator\_id number(10) primary key,

decorator\_name varchar2(20),

decorator\_address varchar2(20),

decorator\_email varchar2(50),

decorator\_phone number(11)

)

insert into decorator

(decorator\_id, decorator\_name,decorator\_address,decorator\_email,decorator\_phone)

values ('900','ritu','uttara','ritu@gmail.com','01709876543')

create table planners\_decorator

(

planners\_id number(10) primary key,

planners\_name varchar2(20),

planners\_address varchar2(20),

planners\_email varchar2(50),

planners\_phone number(11),

decorator\_id number(10),

foreign key(decorator\_id) references decorator(decorator\_id)

)

insert into planners\_decorator

( planners\_id,planners\_name,planners\_address,planners\_email,planners\_phone,decorator\_id)

values( '301','raihan','bashundhara','raihan@gmail.com','017892765432','900')

insert into planners\_decorator

( planners\_id,planners\_name,planners\_address,planners\_email,planners\_phone,decorator\_id)

values( '302','imran','gulshan','imran@gmail.com','019292765432','900')

insert into planners\_decorator

( planners\_id,planners\_name,planners\_address,planners\_email,planners\_phone,decorator\_id)

values( '303','susmita','mohammodpur','susmita@gmail.com','019992765432','900')

insert into planners\_decorator

( planners\_id,planners\_name,planners\_address,planners\_email,planners\_phone,decorator\_id)

values( '304','jubayer','khilkhet','jubayer@gmail.com','018888765432','900')

insert into planners\_decorator

( planners\_id,planners\_name,planners\_address,planners\_email,planners\_phone,decorator\_id)

values( '305','alamin','mirpur','alamin@gmail.com','017892765442,'900')

create table florists

(

florists\_id number(10) primary key,

florists\_name varchar2(20),

florists\_address varchar2(20),

florists\_email varchar2(50),

florists\_phone number(10),

decorator\_id number(10),

foreign key(decorator\_id) references decorator(decorator\_id)

)

insert into florists

( florists\_id,florists\_name,florists\_address,florists\_email,florists\_phone,decorator\_id)

values( '105','rasel','ajimpur', 'rasel@gmail.com','01678253647','900')

insert into florists

( florists\_id,florists\_name,florists\_address,florists\_email,florists\_phone,decorator\_id)

values( '104','manik','diyabari','manik@gmail.com','01889253647','900')

insert into florists

( florists\_id,florists\_name,florists\_address,florists\_email,florists\_phone,decorator\_id)

values( '103','pranto','hatirjheel','pranto@gmail.com','01719253647','900')

insert into florists

( florists\_id,florists\_name,florists\_address,florists\_email,florists\_phone,decorator\_id)

values( '102','majharul','shyamoli','majharul@gmail.com','01967484938','900')

insert into florists

( florists\_id,florists\_name,florists\_address,florists\_email,florists\_phone,decorator\_id)

values( '101','baten','mirpur','baten@gmail.com','01919253647','900')

create table lightmans

(

lightmans\_id number(10) primary key,

lightmans\_name varchar2(20),

lightmans\_address varchar2(20),

lightmans\_email varchar2(50),

lightmans\_phone number(11),

decorator\_id number(11),

foreign key(decorator\_id) references decorator(decorator\_id)

)

insert into lightmans

(lightmans\_id,lightmans\_name,lightmans\_address,lightmans\_email,lightmans\_phone,decorator\_id)

values('111','pritom','dhanmondi','pritom@gmail.com','01928273645','900')

insert into lightmans

(lightmans\_id,lightmans\_name,lightmans\_address,lightmans\_email,lightmans\_phone,decorator\_id)

values('112','rashid','khilgaon','rashid@gmail.com','01728273645','900')

insert into lightmans

(lightmans\_id,lightmans\_name,lightmans\_address,lightmans\_email,lightmans\_phone,decorator\_id)

values('113','priyom','ajimpur','priyom@gmail.com','01628273645','900')

insert into lightmans

(lightmans\_id,lightmans\_name,lightmans\_address,lightmans\_email,lightmans\_phone,decorator\_id)

values('114,'oyon','kalyanpur','oyon@gmail.com','01828273645','900')

insert into lightmans

(lightmans\_id,lightmans\_name,lightmans\_address,lightmans\_email,lightmans\_phone,decorator\_id)

values('115','labib','badda','labib@gmail.com','01668273645','900')

create table electricians

(

electricians\_id number(10) primary key,

electricians\_name varchar2(20),

electricians\_address varchar2(20),

electricians\_email varchar2(50),

electricians\_phone number(11),

decorator\_id number(11),

foreign key(decorator\_id) references decorator(decorator\_id)

)

insert into electricians

(electricians\_id,electricians\_name,electricians\_address,electricians\_email,electricians\_phone,decorator\_id)

values('121','jalil','ajimpur','jalil@gmail.com','01987654567','900')

insert into electricians

(electricians\_id,electricians\_name,electricians\_address,electricians\_email,electricians\_phone,decorator\_id)

values('122','ragib','baridhara','ragib@gmail.com','01787654567','900')

insert into electricians

(electricians\_id,electricians\_name,electricians\_address,electricians\_email,electricians\_phone,decorator\_id)

values('123','rayhan','jatrabari','rayhan@gmail.com','01887654567','900')

insert into electricians

(electricians\_id,electricians\_name,electricians\_address,electricians\_email,electricians\_phone,decorator\_id)

values('124','mukit','uttara','mukit@gmail.com','01687654567','900')

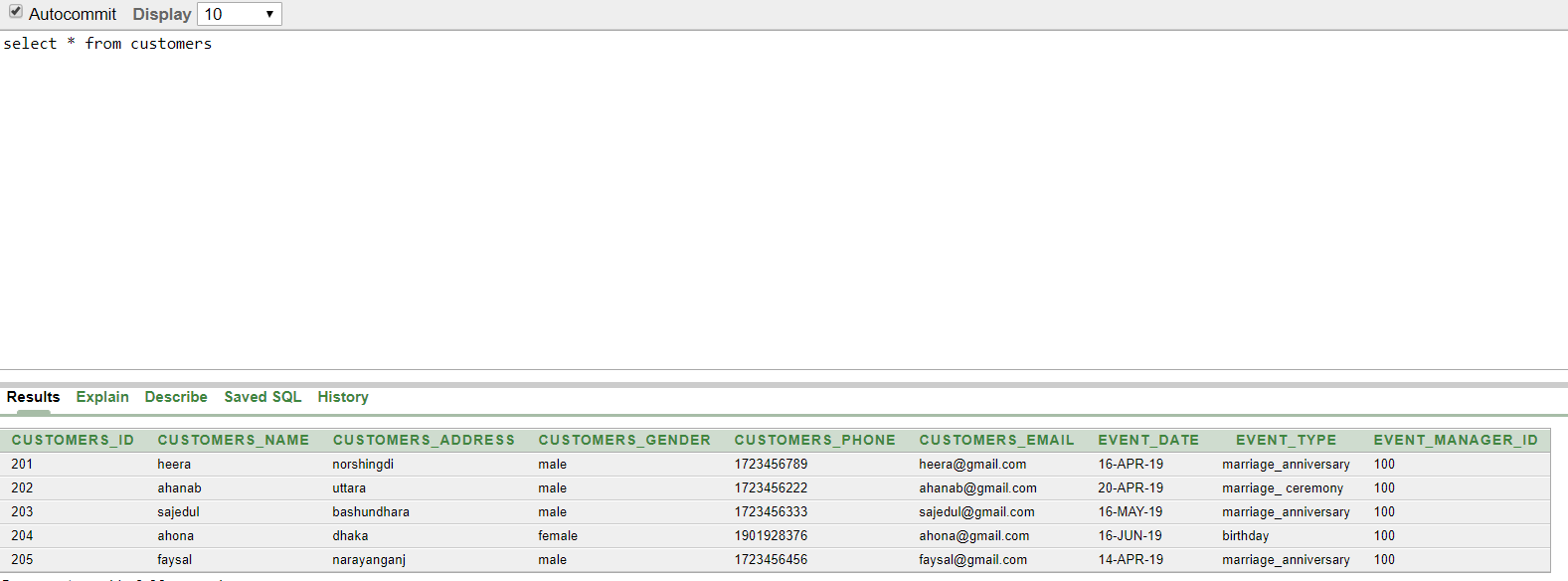
insert into electricians

(electricians\_id,electricians\_name,electricians\_address,electricians\_email,electricians\_phone,decorator\_id)

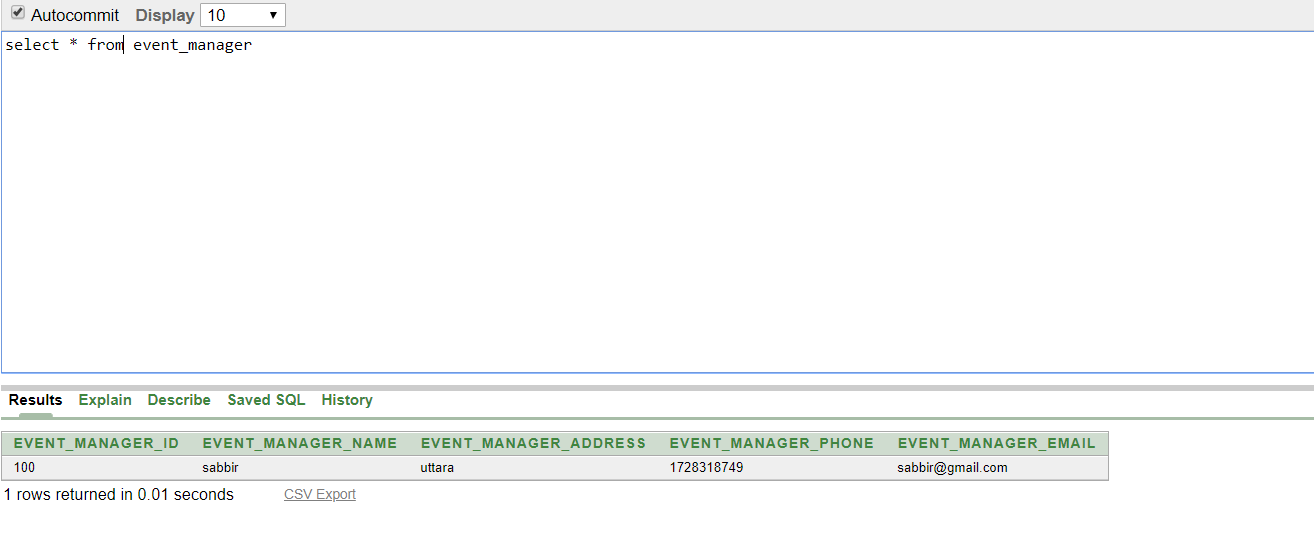
values('125','sawkot','bashundhara','sawkot@gmail.com','01997654567','900')

Table Screenshot

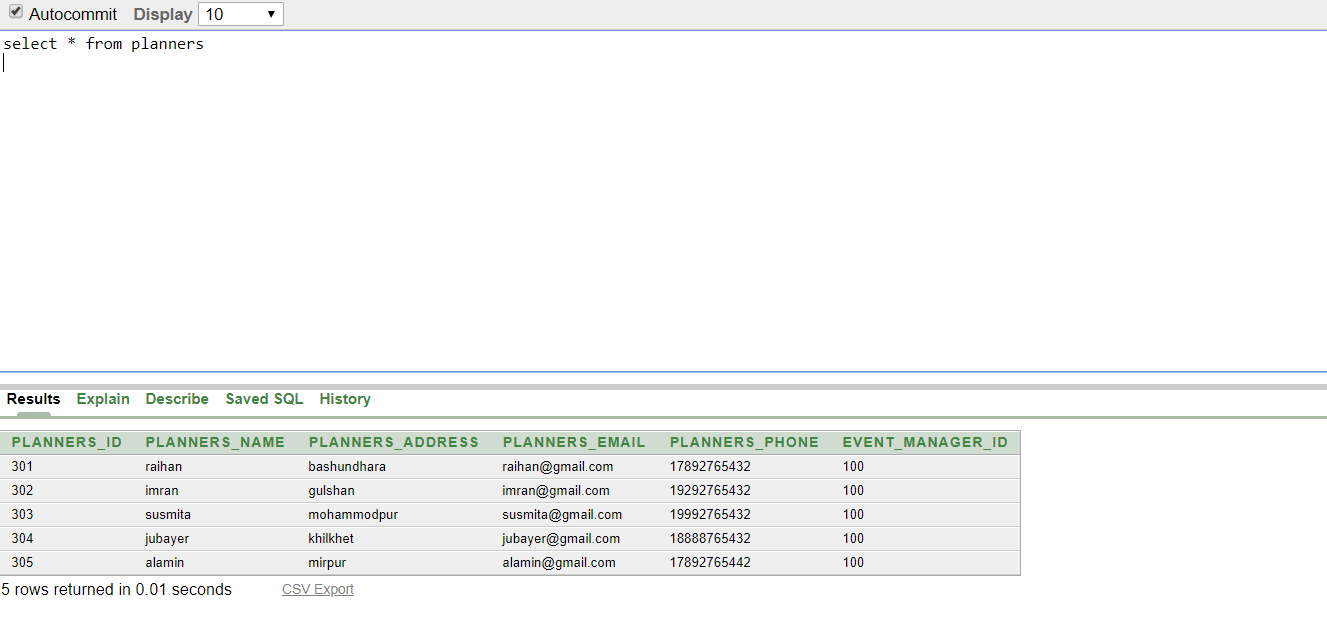
**Customer Table**



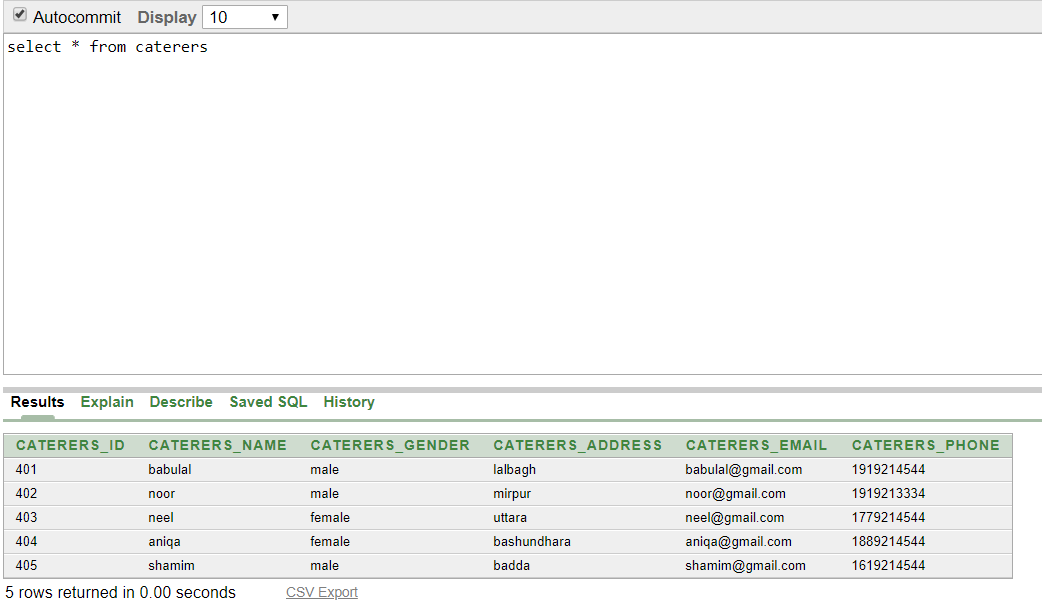
**Event Manager Table**



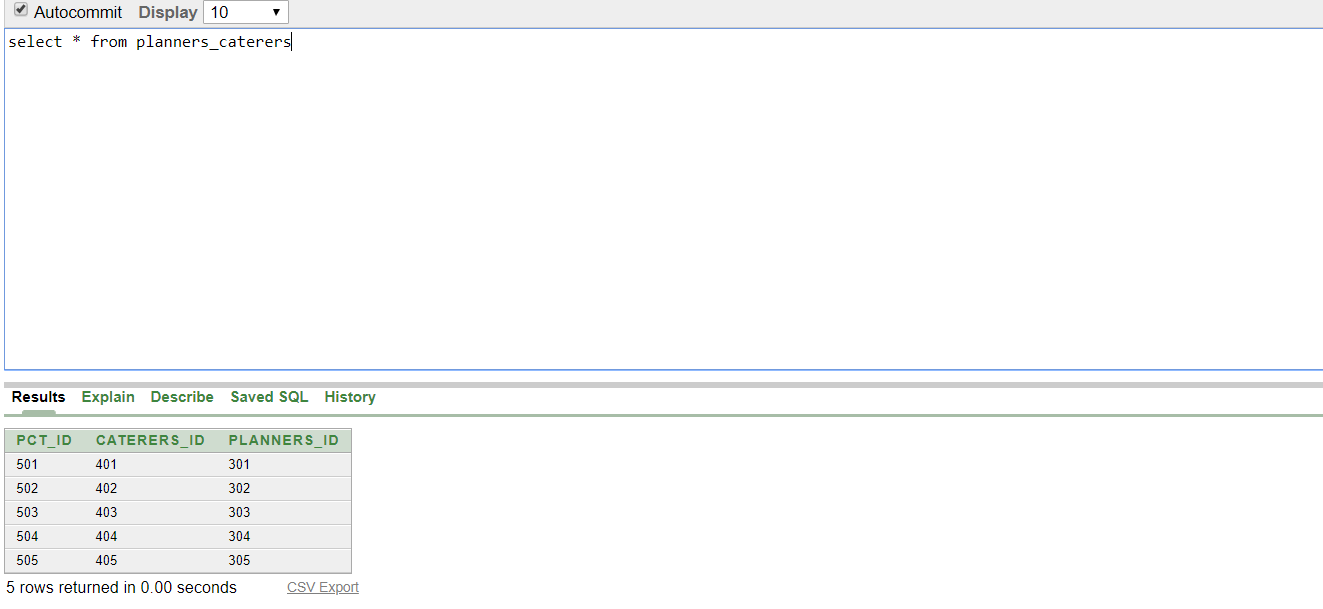
**Planner Table**



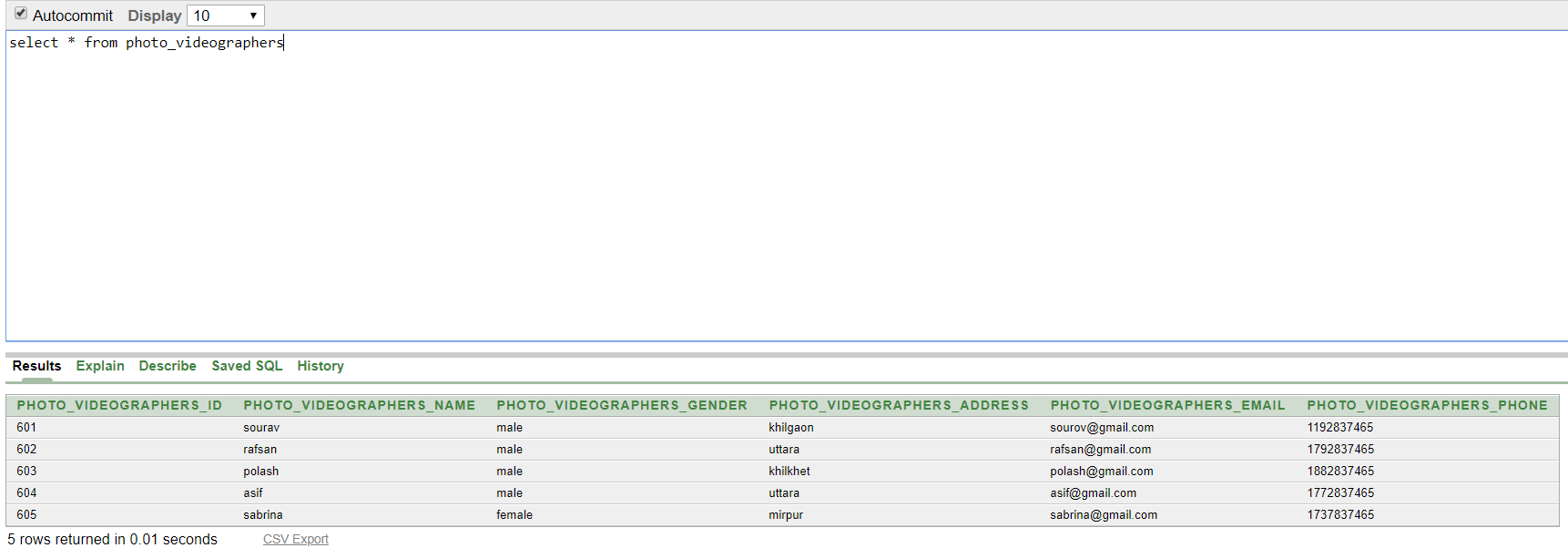
**Caterers Table**



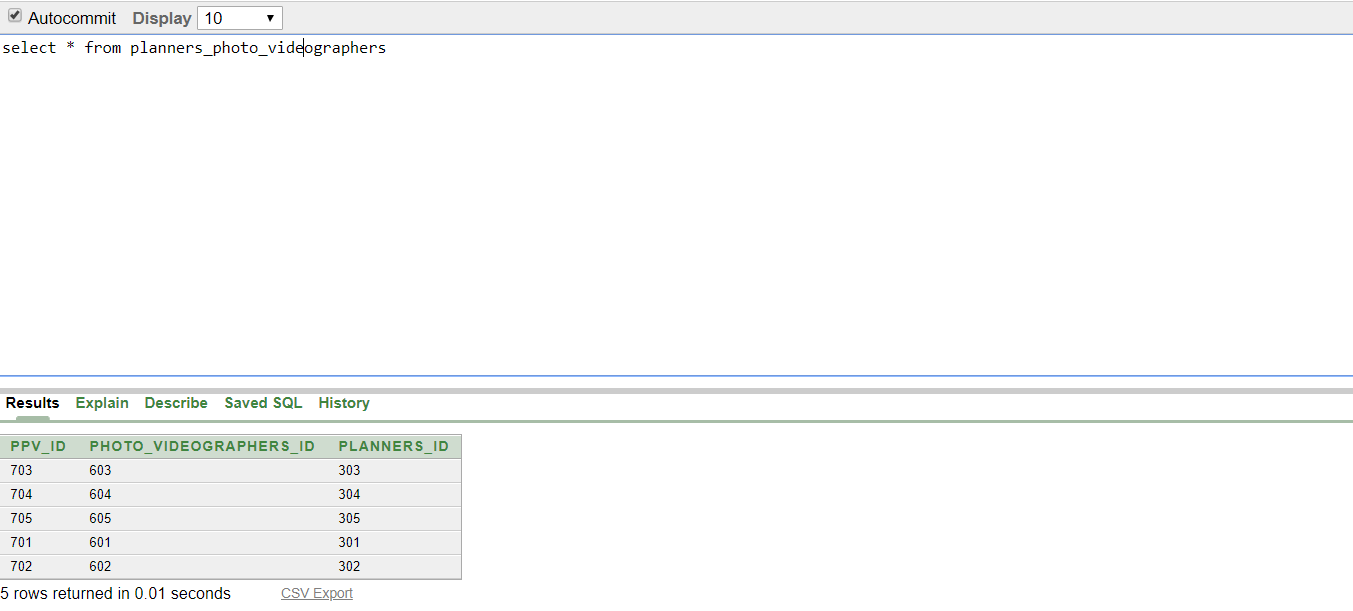
**Planner\_caterers Table**



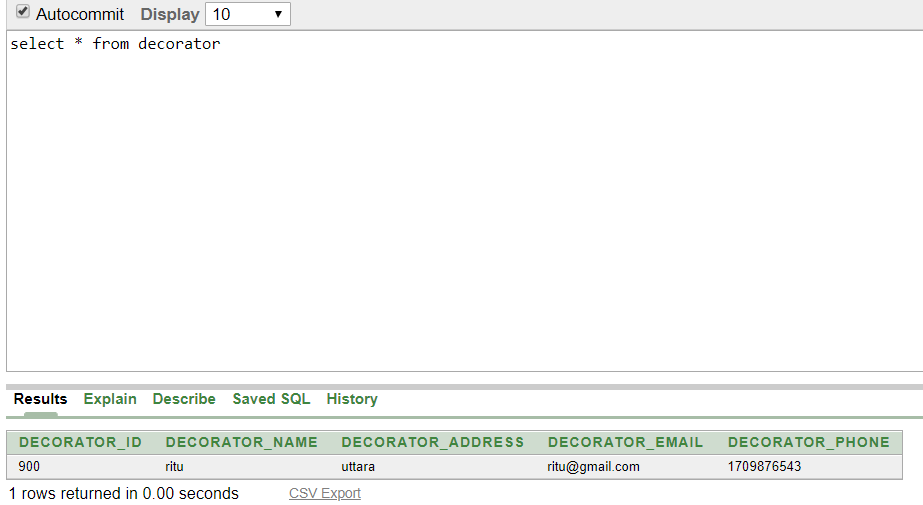
**Photo\_videographers**



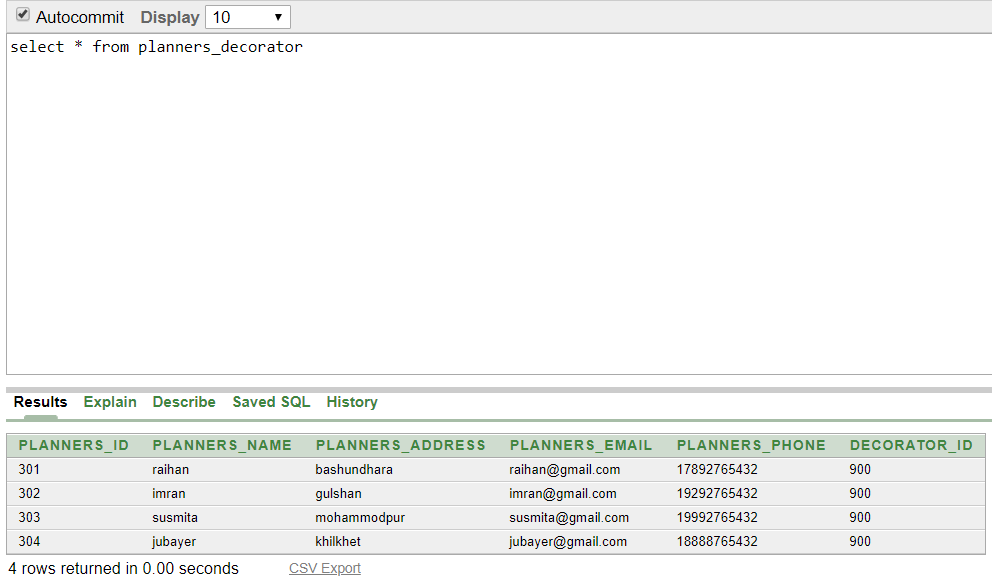
**Planners\_photo\_videographers**



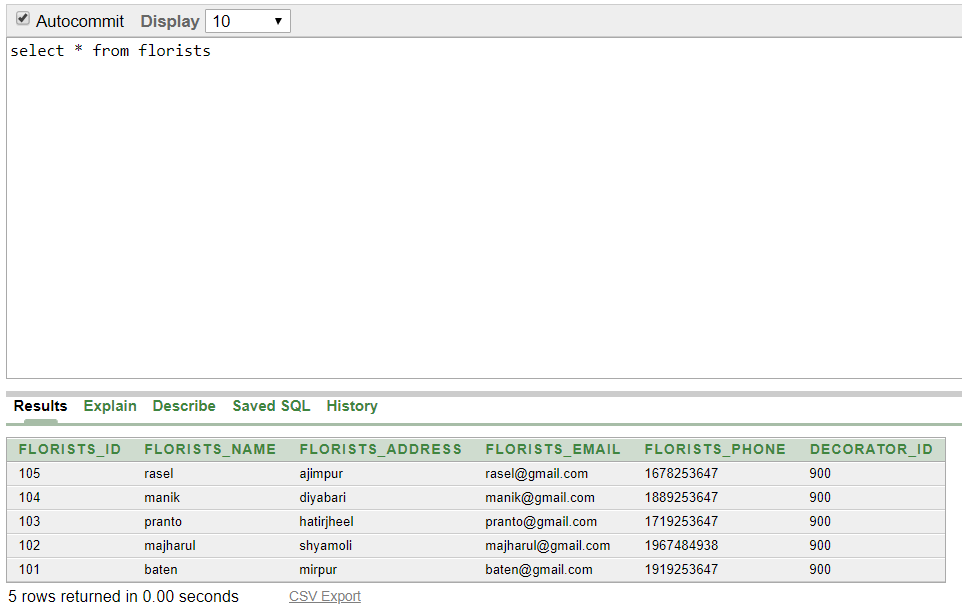
**Decorator Table**



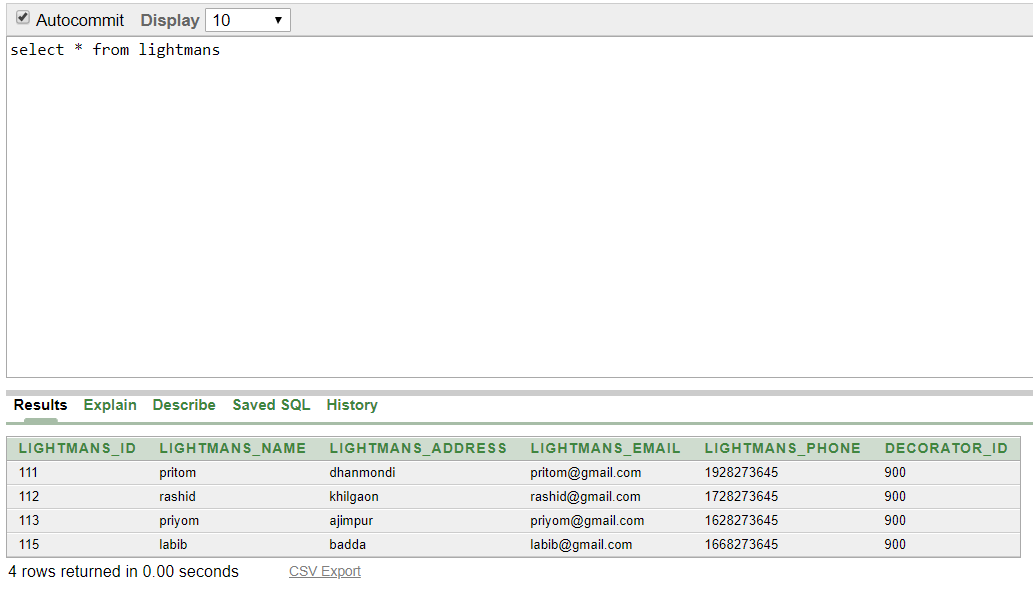
**Planner\_Decorator Table**



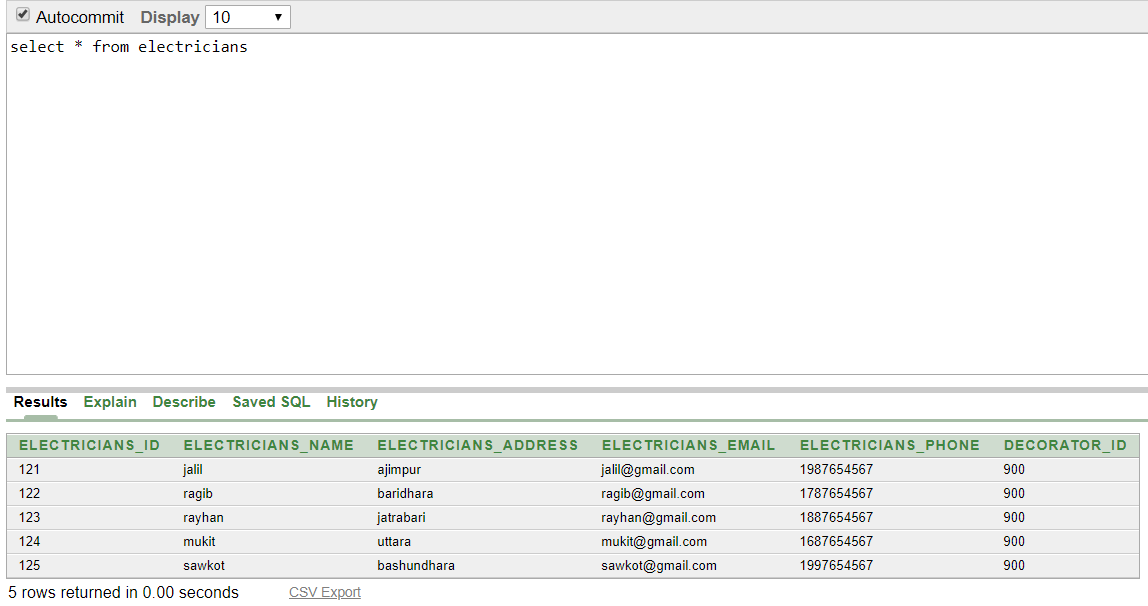
**Florist Table**



**Lightmans Table**



**Electricians Table**



Query Question

1. Display the first name, address and phone of Event manger?
2. Display the ID and email of all planners?
3. Count the planners by manager group?
4. Display the list of light-man by decorator group?
5. Display the name and email all photo/videographer who work under planner id 301
6. Display the planner name who work under the same manager as planner whose first name is jubayer.
7. Write a query in SQL to display the name and phone number for each planner ?
8. Write a query in SQL to display the email and address for each photo/videographer?
9. Create a view called Pl\_VU based on the planners phone number and email from planners table .Change the heading for phone to contact number?
10. Create a view called fl\_VU based on the florists phone number ,address for all florist .Display the contents of the FL\_VU?