

Group 31: Database for keeping management records at an amusement park

Scope of the Database:

It involves keeping the records of all customers, rides, employees, ticket purchases, and souvenir and food purchases inside the amusement park.

Description:

This is a database that will be used by the management of the amusement park to keep records and retrieve relevant information which will assist them in their decision-making process. This Database also caters to the needs of an online web application through which users can book entry tickets or ride tickets. Computer systems have also been installed at the local ticket window for that same purpose. The machines will also be connected to this database. Using this database the management can figure out what rides are popular among a particular demographic group. The Database also caters to the management needs of the various food shops on the premises of the park-like keeping track of items that are available and their sales. This will not only make selling food seamless with online transactions but also help them analyze their sales data to make business decisions. Maintenance of the premises and managing the visitors' experience requires human resources. This database keeps the records of all employees as well as the contractual appointments. Contractual appointments usually include maintenance workers, medical staff, and performance artists invited for various events at the park. Employees can order supplies for the amusement park. This Database also assists in keeping purchase and stock records for the same. Regular inspections are conducted for ensuring the safety and proper functioning of all the rides. The Database helps to keep track of each such inspection. There is also a Lost Found service provided at various points inside the park, for all complaints an entry is made into this database. The database also keeps records of all valuable feedback provided by the visitors.

DDL Script:

For creation of the table:

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create schema amusment_park;
set search_path = "amusment_park";

create Table PhotoIdProof (photoid_number varchar(20)
primary key, id_type varchar(50), image_link text);

create Table customer (cust_id varchar(20) primary key,
cust_name varchar(50),gender char, email varchar(50),
phone varchar, pid varchar(20),FOREIGN KEY (pid) REFERENCES
photoidproof(photoid_number));

create Table employee(emp_id varchar(20) primary key, emp_name varchar(50),gender char,
email varchar(50),
phone varchar, pid varchar(20),FOREIGN KEY (pid) REFERENCES
photoidproof(photoid_number));

create Table location (location_id varchar primary key, latitude numeric, longitude
numeric, location_description varchar);

create Table food_shops (shop_no varchar primary key, shop_name varchar, capacity
integer, shop_location varchar,FOREIGN KEY (shop_location) REFERENCES
location(location_id));
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create Table food_items (item_no integer primary key , item_name varchar, rate numeric);
create table food_shop_item_relation (shop_no varchar, item_no integer, FOREIGN KEY
(shop_no) REFERENCES food_shops(shop_no), FOREIGN KEY (item_no) REFERENCES
food_items(item_no) );
create Table food_order (order_id integer primary key , food_item_no integer,
shop_number varchar, cust_id varchar, order_date date, qty integer
FOREIGN KEY (food_item_no) REFERENCES food_items(item_no),
FOREIGN KEY (shop_number) REFERENCES food_shops(shop_no),
FOREIGN KEY (cust_id) REFERENCES customer(cust_id));
create Table events (event_id varchar primary key, event_name varchar(20),event_date
date,capacity integer,event_time TIME,duration numeric
,loc varchar,
FOREIGN KEY (loc) REFERENCES location(location_id)
);

create Table event_tickets (tno varchar primary key, no_of_seats integer,rate integer
,cust_id varchar ,event_id varchar,
FOREIGN KEY (cust_id) REFERENCES customer(cust_id),
FOREIGN KEY (event_id) REFERENCES events(event_id));

create Table ride (ride_id varchar primary key, capacity integer,ride_name varchar
,price numeric, min_height numeric, min_age integer);

create Table ride_ticket(tno varchar primary key, ride_date date, ride_time time,
ride_id varchar, cust_id varchar,
FOREIGN KEY (cust_id) REFERENCES customer(cust_id),
FOREIGN KEY (ride_id) REFERENCES ride(ride_id));
create table items (item_code varchar primary key, item_name varchar, rate numeric);
create table invoice(invoice_number integer primary key, cust_id varchar,purchase_date
Date , purchase_time time);
create table invoice_details(invoice_number integer, item_code varchar,qty integer,
FOREIGN KEY (item_code) REFERENCES items(item_code),
FOREIGN KEY (invoice_number) REFERENCES invoice(invoice_number));
create table break_down_records(br_id varchar PRIMARY KEY, reporting_date date,
reporting_time time, ride_id varchar,
FOREIGN KEY (ride_id) REFERENCES ride(ride_id));
create table maintainece_ticket(ticket_number varchar, cost integer, contact_number
varchar, M_date date, bid varchar, rid varchar,
FOREIGN KEY (bid) REFERENCES break_down_records(br_id),
FOREIGN KEY (rid) REFERENCES ride(ride_id));

create table lost_and_found (complaint_id varchar primary key, item_name varchar,
item_desc text,
loc_id varchar, cust_id varchar ,FOREIGN KEY (cust_id)
REFERENCES customer(cust_id),FOREIGN KEY (loc_id) REFERENCES location(location_id));

create table department (dept_id varchar primary key, dept_name varchar, manager
varchar, FOREIGN KEY (manager) REFERENCES employee(emp_id));
create table salaried_employee (emp_id varchar ,post varchar ,salary integer,dept_id
varchar
FOREIGN KEY (emp_id) REFERENCES employee(emp_id)
,FOREIGN KEY (dept_id) REFERENCES department(dept_id));
create table contractual_employee (emp_id varchar, start_date date ,end_date date
,total_contract_wages integer, profession varchar ,FOREIGN KEY (emp_id) REFERENCES
employee(emp_id));
create table supplies (sup_id varchar primary key, item_name varchar, price integer);
create table supply_order ( order_id varchar primary key, sup_id varchar , qty integer,
manager varchar, order_date date ,
FOREIGN KEY (manager) REFERENCES employee(emp_id)
,FOREIGN KEY (sup_id) REFERENCES supplies(sup_id)
);
create Table perfoms_at (emp_id varchar ,event_id varchar,
FOREIGN KEY (emp_id) REFERENCES employee(emp_id),
FOREIGN KEY (event_id) REFERENCES events(event_id));

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For Insertions:

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/*photoidproof*/
INSERT INTO amusment_park.photoidproof(
photoid_number, id_type, image_link)
VALUES( '123456789011','Aadhar','https://quikchex.in/wp-content/uploads/2019/03/aadhar-
card-sample-picture.jpg');
INSERT INTO amusment_park.photoidproof(
photoid_number, id_type, image_link)
VALUES( 'J8369854','Passport','https://www.immihelp.com/assets/article-images/sample-
indian-passport-1.jpg');
INSERT INTO amusment_park.photoidproof(
photoid_number, id_type, image_link)
VALUES( 'GON0225185','Voter_id','https://4.imimg.com/data4/ED/RU/MY-23138632/id-card-pvc-
card-250x250.jpg');
INSERT INTO amusment_park.photoidproof(
photoid_number, id_type, image_link)
VALUES( 'DL04201101492322','Driving license','http://ibgnews.com/wp-
content/uploads/2018/10/Driving-License.jpg');
INSERT INTO amusment_park.photoidproof(
photoid_number, id_type, image_link)
VALUES( 'MZH2380426','Voter_id','https://www.tribuneindia.com/2003/20030117/ct4.jpg');
INSERT INTO amusment_park.photoidproof(
photoid_number, id_type, image_link)
VALUES( 'TN99201900099911','Driving
license','https://i.ytimg.com/vi/QnmgbS4GeY4/mqdefault.jpg');
INSERT INTO amusment_park.photoidproof(
photoid_number, id_type, image_link)
VALUES(
'562390881111','Aadhar','https://i.pinimg.com/originals/bf/db/37/bfdb3796f2848739ade77e73
e905068e.jpg');
INSERT INTO amusment_park.photoidproof(
photoid_number, id_type, image_link)
VALUES( 'N4017151','Passport','https://static.toiimg.com/thumb/msid-71287622,width-
1200,height-900,resizemode-4/.jpg');
INSERT INTO amusment_park.photoidproof(
photoid_number, id_type, image_link)
VALUES( '852165493337','Aadhar','https://s1.sbs.com.au/public/image/file/4da5571b-ab98-
4e3c-80ef-44ede2a089bc/crop/16x9_large');
INSERT INTO amusment_park.photoidproof(
photoid_number, id_type, image_link)
VALUES( '985685221243','Aadhar','https://5.imimg.com/data5/NK/QQ/YH/SELLER-
63858991/aadhaar-card-sample-500x500.jpg');
INSERT INTO amusment_park.photoidproof(
photoid_number, id_type, image_link)
VALUES( 'H9137927','Passport','https://qph.fs.quoracdn.net/main-qimg-
7de28c46a0ea2c2fe215f16b857f5b9f-c');
INSERT INTO amusment_park.photoidproof(
photoid_number, id_type, image_link)
VALUES( 'TN3420120005134','Driving
license','https://i.ytimg.com/vi/Bwwlpcv3f0w/maxresdefault.jpg');
INSERT INTO amusment_park.photoidproof(
photoid_number, id_type, image_link)
VALUES( 'TN7520150014177','Driving
license','https://i.ytimg.com/vi/DjyzX8EuNvQ/maxresdefault.jpg');
INSERT INTO amusment_park.photoidproof(
photoid_number, id_type, image_link)
VALUES( 'H2004824','Passport','https://qph.fs.quoracdn.net/main-qimg-
6796257ed6c2d2af9d703831eee093b4.webp');
INSERT INTO amusment_park.photoidproof(
photoid_number, id_type, image_link)
VALUES( 'JKP1532647','Voter_id','https://www.tribuneindia.com/2005/20050411/chd3.jpg');
INSERT INTO amusment_park.photoidproof(
photoid_number, id_type, image_link)
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VALUES( 'BNZPM2501F','PAN Card','https://labourlawadvisor.in/blog/wp-
content/uploads/2019/05/pan-card-1.jpg');
INSERT INTO amusment_park.photoidproof(
photoid_number, id_type, image_link)
VALUES( 'AN0120130003278','Driving license','https://i.ytimg.com/vi/tIdr7We6L-
s/maxresdefault.jpg');
INSERT INTO amusment_park.photoidproof(
photoid_number, id_type, image_link)
VALUES( 'ANRPM2537J','PAN Card','https://www.fastrupee.com/wp-
content/uploads/2015/05/PAN-Card-Sample.jpg');
INSERT INTO amusment_park.photoidproof(
photoid_number, id_type, image_link)
VALUES( 'GKC1134212','Voter_id','https://www.tribuneindia.com/2003/20031024/ldh1.jpg');
INSERT INTO amusment_park.photoidproof(
photoid_number, id_type, image_link)
VALUES( '895623234785','Aadhar','https://eaadharcards.in/wp-
content/uploads/2019/05/Aadhar-Card-PVC.jpeg');
INSERT INTO amusment_park.photoidproof(
photoid_number, id_type, image_link)
VALUES( '652385697412','Aadhar','https://yourmoneywise.in/wp-
content/uploads/2019/02/Aadhar-card-1280x720.png');
INSERT INTO amusment_park.photoidproof(
photoid_number, id_type, image_link)
VALUES( 'P4954189','Passport','https://pbs.twimg.com/media/Ecp50YUWAAAdVec.jpg');
INSERT INTO amusment_park.photoidproof(
photoid_number, id_type, image_link)
VALUES( 'BHXP57083N','PAN Card','https://labourlawadvisor.in/blog/wp-
content/uploads/2019/05/pan-card-1.jpg');
INSERT INTO amusment_park.photoidproof(
photoid_number, id_type, image_link)
VALUES( 'YCV0164822','Voter_id','https://static.toiimg.com/thumb/msid-61542166,width-
1200,height-900,resizemode-4/.jpg');
INSERT INTO amusment_park.photoidproof(
photoid_number, id_type, image_link)
VALUES( 'AD0155130009678','Driving license','https://www.informalnewz.com/wp-
content/uploads/2020/09/New-notification-released-DL.jpg');
INSERT INTO amusment_park.photoidproof(
photoid_number, id_type, image_link)
VALUES( '965432569874','Aadhar','https://pvccardprinting.in/wp-
content/uploads/2018/02/pvc_adhar-card.jpg');
INSERT INTO amusment_park.photoidproof(
photoid_number, id_type, image_link)
VALUES( '478521459863','Aadhar','https://www.justwebworld.com/wp-
content/uploads/2018/01/Aadhar-Card-Correction-Form.jpg');
INSERT INTO amusment_park.photoidproof(
photoid_number, id_type, image_link)
VALUES( '693632125858','Aadhar','https://rajislearning.com/wp-
content/uploads/2016/07/aadhar-pvc_card-300x183.jpg');
INSERT INTO amusment_park.photoidproof(
photoid_number, id_type, image_link)
VALUES( 'KL1520170020251','Driving license','https://marugujaratupdates.com/wp-
content/uploads/2020/09/01tvDL1.jpg');
INSERT INTO amusment_park.photoidproof(
photoid_number, id_type, image_link)
VALUES( 'KL0220154648133','Driving license','https://bignewskenala.com/wp-
content/uploads/2018/09/driving_bignews.kerala.jpg');
INSERT INTO amusment_park.photoidproof(
photoid_number, id_type, image_link)
VALUES( 'MH161492566212','Driving
license','https://www.oneindia.com/img/1200x80/2021/03/driving-licence-1614925662.jpg');
INSERT INTO amusment_park.photoidproof(
photoid_number, id_type, image_link)
VALUES(
'XRR0462093','Voter_id','https://img.jagranjosh.com/imported/images/E/Others/voter-id-
cards.jpg');
INSERT INTO amusment_park.photoidproof(

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photoid_number, id_type, image_link)
VALUES(
'XRR0460584', 'Voter_id', 'https://sabrangindia.in/sites/default/files/img_20190306_131927.
jpg?477');
INSERT INTO amusment_park.photoidproof(
photoid_number, id_type, image_link)
VALUES( 'HRLPK3534C', 'PAN Card', 'https://www.icicisregisters.in/wp-
content/uploads/2019/12/pan.jpg');
INSERT INTO amusment_park.photoidproof(
photoid_number, id_type, image_link)
VALUES(
'968533224512', 'Aadhar', 'https://miro.medium.com/max/562/1*XtyP12sTvavPSN4mmOvqWw.png');
INSERT INTO amusment_park.photoidproof(
photoid_number, id_type, image_link)
VALUES( 'F78020033', 'Passport', 'https://qph.fs.quoracdn.net/main-qimg-
b54632bb2e73bf51e41fa71d3cbf0e8d-c');
INSERT INTO amusment_park.photoidproof(
photoid_number, id_type, image_link)
VALUES( 'DLFAP0101364610', 'Driving license', 'https://sarkariyojana.com/wp-
content/uploads/2018/06/ap-transport-11r-dl-details.jpg');
INSERT INTO amusment_park.photoidproof(
photoid_number, id_type, image_link)
VALUES( 'TN9920190000999', 'Driving
license', 'https://english.cdn.zeenews.com/sites/default/files/2021/07/19/952466-
drivinglicense.jpg');
INSERT INTO amusment_park.photoidproof(
photoid_number, id_type, image_link)
VALUES( 'H1173784', 'Passport', 'https://pbs.twimg.com/media/DRPCx4mVoAAS_02.jpg');
INSERT INTO amusment_park.photoidproof(
photoid_number, id_type, image_link)
VALUES( '656521338799', 'Aadhar', 'https://5.imimg.com/data5/TP/LM/MY-10051335/pre-printed-
aadhar-card-250x250.jpg');
/*customer*/
INSERT INTO amusment_park.customer(
cust_id, cust_name, gender, email, phone, pid)VALUES(
'110211', 'Malavika', 'F', 'mal@gmail.com', '8469717232', '123456789011');
INSERT INTO amusment_park.customer(
cust_id, cust_name, gender, email, phone, pid)VALUES(
'110212', 'Chirag', 'M', 'chirag06@gmail.com', '9321514825', 'J8369854');
INSERT INTO amusment_park.customer(
cust_id, cust_name, gender, email, phone, pid)VALUES(
'110213', 'Ayman', 'M', 'doba123@gmail.com', '8429322723', 'GON0225185');
INSERT INTO amusment_park.customer(
cust_id, cust_name, gender, email, phone, pid)VALUES(
'110214', 'Prachi', 'F', 'bist456@gmail.com', '9274534541', 'DL04201101492322');
INSERT INTO amusment_park.customer(
cust_id, cust_name, gender, email, phone, pid)VALUES(
'110215', 'Nafeeza', 'F', 'naf12ba@gmail.com', '9941241221', 'MZH2380426');
INSERT INTO amusment_park.customer(
cust_id, cust_name, gender, email, phone, pid)VALUES(
'110216', 'Dhananjay', 'M', 'dhoni07@gmail.com', '9429811823', 'TN992019000099911');
INSERT INTO amusment_park.customer(
cust_id, cust_name, gender, email, phone, pid)VALUES(
'110217', 'Dhruv', 'M', 'patel234@gmail.com', '9428114312', '562390881111');
INSERT INTO amusment_park.customer(
cust_id, cust_name, gender, email, phone, pid)VALUES(
'110218', 'Nandini', 'F', 'patel345@gmail.com', '8269172821', 'N4017151');
INSERT INTO amusment_park.customer(
cust_id, cust_name, gender, email, phone, pid)VALUES(
'110219', 'Saumya', 'M', 'beatles45@gmail.com', '9898113742', '852165493337');
INSERT INTO amusment_park.customer(
cust_id, cust_name, gender, email, phone, pid)VALUES(
'110220', 'Lekha', 'F', 'cat2021@gmail.com', '9429199532', '985685221243');
INSERT INTO amusment_park.customer(
cust_id, cust_name, gender, email, phone, pid)VALUES(
'110221', 'Nishant', 'M', 'hemranjini98@gmail.com', '9428919322', 'H9137927');

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INSERT INTO amusment_park.customer(
cust_id, cust_name, gender, email, phone, pid)VALUES(
'110222','Ruben','M','joseph67@gmail.com','8427183133','TN3420120005134');
INSERT INTO amusment_park.customer(
cust_id, cust_name, gender, email, phone, pid)VALUES(
'110223','Uttam','M','shukla21@gmail.com','9319773181','TN7520150014177');
INSERT INTO amusment_park.customer(
cust_id, cust_name, gender, email, phone, pid)VALUES(
'110224','Ayush','M','gupta88@gmail.com','9898117832','H2004824');
INSERT INTO amusment_park.customer(
cust_id, cust_name, gender, email, phone, pid)VALUES(
'110225','Shivani','F','vaghela667@gmail.com','8697878122','JKP1532647');
INSERT INTO amusment_park.customer(
cust_id, cust_name, gender, email, phone, pid)VALUES(
'110226','Avi','F','avi29@gmail.com','9894634586','BNZPM2501F');
INSERT INTO amusment_park.customer(
cust_id, cust_name, gender, email, phone, pid)VALUES(
'110227','Seema','F','bist2323@gmail.com','9898764356','AN0120130003278');
INSERT INTO amusment_park.customer(
cust_id, cust_name, gender, email, phone, pid)VALUES(
'110228','Poojak','M','vag234rock@gmail.com','8756345466','ANRPM2537J');
INSERT INTO amusment_park.customer(
cust_id, cust_name, gender, email, phone, pid)VALUES(
'110229','Pruthvi','M','nagpal456@gmail.com','7845321211','GKC1134212');
INSERT INTO amusment_park.customer(
cust_id, cust_name, gender, email, phone, pid)VALUES(
'110230','Jeffrey','M','james567@gmail.com','7878912677','895623234785');

/*employee*/
INSERT INTO amusment_park.employee(
emp_id, emp_name, gender, email, phone, pid)
VALUES( 'empy9409Wc5W4','Anya Cummings','M','an12@gmailcom','9558144454','652385697412');
INSERT INTO amusment_park.employee(
emp_id, emp_name, gender, email, phone, pid)
VALUES( 'emp4yo4pf0c1G','Lilah
Sandoval','F','lis_san@gmail.com','9558456454','P4954189');
INSERT INTO amusment_park.employee(
emp_id, emp_name, gender, email, phone, pid)
VALUES( 'emp02SQunk1ol','Marc Gilmore','M','marc@gmail.com','9878144454','BHXP57083N');
INSERT INTO amusment_park.employee(
emp_id, emp_name, gender, email, phone, pid)
VALUES( 'empfNxWfPj4T','Ximena Fisher','F','Ximna@gmail.com','9000144454','YCV0164822');
INSERT INTO amusment_park.employee(
emp_id, emp_name, gender, email, phone, pid)
VALUES( 'empSQKdi6tm0s','Deon
Stephens','M','Deon_stephens@gmail.com','9222144454','AD0155130009678');
INSERT INTO amusment_park.employee(
emp_id, emp_name, gender, email, phone, pid)
VALUES( 'emprwU4kVsNUR','Pierce
Alexander','M','PAL@gmail.com','9532144454','965432569874');
INSERT INTO amusment_park.employee(
emp_id, emp_name, gender, email, phone, pid)
VALUES( 'empuHrOEBKxd','Eden
Mitchell','M','eden@gmail.com','9512144454','478521459863');
INSERT INTO amusment_park.employee(
emp_id, emp_name, gender, email, phone, pid)
VALUES( 'emptzLhSzW41a','Barbara
Acevedo','F','bar@gmail.com','9125144454','693632125858');
INSERT INTO amusment_park.employee(
emp_id, emp_name, gender, email, phone, pid)
VALUES( 'emp6nU7jaVK7w','Lorena
Reynolds','F','Lor@gmail.com','9453144454','KL1520170020251');
INSERT INTO amusment_park.employee(
emp_id, emp_name, gender, email, phone, pid)

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VALUES( 'empJ3vtHoPALM','Rodolfo
Harrison','M','ro_2322@GMAIL.COM','9558144455','KL0220154648133');
INSERT INTO amusment_park.employee(
emp_id, emp_name, gender, email, phone, pid)
VALUES( 'emppFCgvppRJz','Edgar
Chambers','M','KYL@gmail.com','9558144456','MH161492566212');
INSERT INTO amusment_park.employee(
emp_id, emp_name, gender, email, phone, pid)
VALUES( 'empvRlmj7Y23q','Kyle Terry','F','haven@gmail.com','9558144457','XRR0462093');
INSERT INTO amusment_park.employee(
emp_id, emp_name, gender, email, phone, pid)
VALUES( 'empDRfSrKSwWU','Haven Santana','M','car@gmail.com','9558144458','XRR0460584');
INSERT INTO amusment_park.employee(
emp_id, emp_name, gender, email, phone, pid)
VALUES( 'empkTNH0j4dK9','Camryn David','M','card@gmail.com','9558144478','HRLPK3534C');
INSERT INTO amusment_park.employee(
emp_id, emp_name, gender, email, phone, pid)
VALUES( 'emp6tN8pC7zXr','Asher Barron','M','as@gmail.com','9558144456','968533224512');
INSERT INTO amusment_park.employee(
emp_id, emp_name, gender, email, phone, pid)
VALUES( 'emp9eQcEfJmDV','Erik Yu','F','yu@gmail.com','9558144485','F78020033');
INSERT INTO amusment_park.employee(
emp_id, emp_name, gender, email, phone, pid)
VALUES( 'emphzi5A4VhMF','Laura
Yates','M','yates@gmail.com','9558144400','DLFAP0101364610');
INSERT INTO amusment_park.employee(
emp_id, emp_name, gender, email, phone, pid)
VALUES( 'emp8dCRr7hwE6','Trystan
Mckinney','M','mctry@gmail.com','9558144412','TN9920190000999');
INSERT INTO amusment_park.employee(
emp_id, emp_name, gender, email, phone, pid)
VALUES( 'emprlkjMlhdgt','Dylan Ware','F','dylan@gamil.com','9558144114','H1173784');
INSERT INTO amusment_park.employee(
emp_id, emp_name, gender, email, phone, pid)
VALUES( 'empePwyo80DgZ','Abbey Norman','M','abb@gmail.com','9558140454','656521338799');
/*location*/
INSERT INTO amusment_park.location(
location_id, latitude, longitude, location_description)
VALUES( 'loc_01',23.022505,72.571365,'Food court');
INSERT INTO amusment_park.location(
location_id, latitude, longitude, location_description)
VALUES( 'loc_02',23.02251,72.571365,'Seating area');
INSERT INTO amusment_park.location(
location_id, latitude, longitude, location_description)
VALUES( 'loc_03',23.022517,72.571367,'Amphitheatre');
INSERT INTO amusment_park.location(
location_id, latitude, longitude, location_description)
VALUES( 'loc_04',23.02252,72.571367,'Open Amphitheatre');
INSERT INTO amusment_park.location(
location_id, latitude, longitude, location_description)
VALUES( 'loc_05',23.02252,72.57137,'Drinking water');
INSERT INTO amusment_park.location(
location_id, latitude, longitude, location_description)
VALUES( 'loc_06',23.022542,72.57137,'Kids play area');
INSERT INTO amusment_park.location(
location_id, latitude, longitude, location_description)
VALUES( 'loc_07',23.022543,72.57138,'Skateboarding park');
INSERT INTO amusment_park.location(
location_id, latitude, longitude, location_description)
VALUES( 'loc_08',23.02254829,72.57137743,'Ice rink');
INSERT INTO amusment_park.location(
location_id, latitude, longitude, location_description)
VALUES( 'loc_09',23.02255475,72.5713795,'Petting zoo');
INSERT INTO amusment_park.location(
location_id, latitude, longitude, location_description)
VALUES( 'loc_10',23.02256121,72.57138157,'Parking');

```

```

/*events*/
INSERT INTO amusment_park.events(
event_id, event_name, event_date, event_time,capacity, duration, loc)
VALUES( 'e101','western dance','06/07/2020','16:00:00',120,20,'loc_03');
INSERT INTO amusment_park.events(
event_id, event_name, event_date, event_time,capacity, duration, loc)
VALUES( 'e102','traditional dance','06/14/2020','13:30:00',100,25,'loc_03');
INSERT INTO amusment_park.events(
event_id, event_name, event_date, event_time,capacity, duration, loc)
VALUES( 'e103','drama','06/28/2020','15:00:00',150,45,'loc_03');
INSERT INTO amusment_park.events(
event_id, event_name, event_date, event_time,capacity, duration, loc)
VALUES( 'e104','musical show','07/12/2020','16:30:00',250,35,'loc_03');
INSERT INTO amusment_park.events(
event_id, event_name, event_date, event_time,capacity, duration, loc)
VALUES( 'e105','puppet show','07/20/2020','15:30:00',30,18,'loc_03');
INSERT INTO amusment_park.events(
event_id, event_name, event_date, event_time,capacity, duration, loc)
VALUES( 'e106','stand up','07/29/2020','17:00:00',45,40,'loc_04');
INSERT INTO amusment_park.events(
event_id, event_name, event_date, event_time,capacity, duration, loc)
VALUES( 'e107','parade','08/11/2020','11:30:00',200,10,'loc_04');
INSERT INTO amusment_park.events(
event_id, event_name, event_date, event_time,capacity, duration, loc)
VALUES( 'e108','lighting show','08/23/2020','19:00:00',500,30,'loc_04');
INSERT INTO amusment_park.events(
event_id, event_name, event_date, event_time,capacity, duration, loc)
VALUES( 'e109','magic show','08/31/2020','18:00:00',40,22,'loc_04');
INSERT INTO amusment_park.events(
event_id, event_name, event_date, event_time,capacity, duration, loc)
VALUES( 'e110','karaoke','09/09/2020','17:30:00',15,60,'loc_04');
/*event_tickets*/
INSERT INTO amusment_park.event_tickets(
tno, no_of_seats, rate, cust_id, event_id)
VALUES( 1001,12,450,'110211','e101');
INSERT INTO amusment_park.event_tickets(
tno, no_of_seats, rate, cust_id, event_id)
VALUES( 1002,20,200,'110212','e102');
INSERT INTO amusment_park.event_tickets(
tno, no_of_seats, rate, cust_id, event_id)
VALUES( 1003,14,230,'110213','e103');
INSERT INTO amusment_park.event_tickets(
tno, no_of_seats, rate, cust_id, event_id)
VALUES( 1004,13,500,'110214','e104');
INSERT INTO amusment_park.event_tickets(
tno, no_of_seats, rate, cust_id, event_id)
VALUES( 1005,8,1000,'110215','e105');
INSERT INTO amusment_park.event_tickets(
tno, no_of_seats, rate, cust_id, event_id)
VALUES( 1006,9,255,'110216','e106');
INSERT INTO amusment_park.event_tickets(
tno, no_of_seats, rate, cust_id, event_id)
VALUES( 1007,20,400,'110217','e107');
INSERT INTO amusment_park.event_tickets(
tno, no_of_seats, rate, cust_id, event_id)
VALUES( 1008,12,1000,'110218','e108');
INSERT INTO amusment_park.event_tickets(
tno, no_of_seats, rate, cust_id, event_id)
VALUES( 1009,22,800,'110219','e109');
INSERT INTO amusment_park.event_tickets(
tno, no_of_seats, rate, cust_id, event_id)
VALUES( 1010,23,300,'110220','e109');

```



```

/*ride*/
INSERT INTO amusment_park.ride(
ride_id, capacity, ride_name, price, min_height, min_age)
VALUES( 101,20,'Pendulum ride',100,169,18);
INSERT INTO amusment_park.ride(
ride_id, capacity, ride_name, price, min_height, min_age)
VALUES( 102,8,'Alpine slide',150,154,16);
INSERT INTO amusment_park.ride(
ride_id, capacity, ride_name, price, min_height, min_age)
VALUES( 103,8,'Balloon Race',200,138,10);
INSERT INTO amusment_park.ride(
ride_id, capacity, ride_name, price, min_height, min_age)
VALUES( 104,8,'Breakdance',120,168,16);
INSERT INTO amusment_park.ride(
ride_id, capacity, ride_name, price, min_height, min_age)
VALUES( 105,10,'Bumper boats',200,165,15);
INSERT INTO amusment_park.ride(
ride_id, capacity, ride_name, price, min_height, min_age)
VALUES( 106,15,'Bumper cars',250,165,15);
INSERT INTO amusment_park.ride(
ride_id, capacity, ride_name, price, min_height, min_age)
VALUES( 107,15,'Caterpillar',250,149,12);
INSERT INTO amusment_park.ride(
ride_id, capacity, ride_name, price, min_height, min_age)
VALUES( 108,20,'Condor',280,169,18);
INSERT INTO amusment_park.ride(
ride_id, capacity, ride_name, price, min_height, min_age)
VALUES( 109,20,' Disko',100,169,18);
INSERT INTO amusment_park.ride(
ride_id, capacity, ride_name, price, min_height, min_age)
VALUES( 110,20,'Drop tower',250,154,16);
/*ride_ticket*/
INSERT INTO amusment_park.ride_ticket(
tno, ride_date, ride_time, ride_id, cust_id)
VALUES( 'R01234','1/28/2020','12:00:09',101,'110211');
INSERT INTO amusment_park.ride_ticket(
tno, ride_date, ride_time, ride_id, cust_id)
VALUES( 'R01235','1/28/2020','13:07:10',102,'110212');
INSERT INTO amusment_park.ride_ticket(
tno, ride_date, ride_time, ride_id, cust_id)
VALUES( 'R01237','2/14/2020','12:29:04',101,'110213');
INSERT INTO amusment_park.ride_ticket(
tno, ride_date, ride_time, ride_id, cust_id)
VALUES( 'R01240','4/13/2020','14:00:00',102,'110214');
INSERT INTO amusment_park.ride_ticket(
tno, ride_date, ride_time, ride_id, cust_id)
VALUES( 'R01243','4/28/2020','14:30:00',103,'110215');
INSERT INTO amusment_park.ride_ticket(
tno, ride_date, ride_time, ride_id, cust_id)
VALUES( 'R01244','4/28/2020','15:00:00',103,'110216');
INSERT INTO amusment_park.ride_ticket(
tno, ride_date, ride_time, ride_id, cust_id)
VALUES( 'R01249','5/11/2020','12:50:10',104,'110217');
INSERT INTO amusment_park.ride_ticket(
tno, ride_date, ride_time, ride_id, cust_id)
VALUES( 'R01257','7/11/2020','13:30:00',107,'110218');
INSERT INTO amusment_park.ride_ticket(
tno, ride_date, ride_time, ride_id, cust_id)
VALUES( 'R01256','7/15/2020','13:43:47',101,'110219');
INSERT INTO amusment_park.ride_ticket(
tno, ride_date, ride_time, ride_id, cust_id)
VALUES( 'R01259','7/20/2020','14:20:00',103,'110220');
INSERT INTO amusment_park.ride_ticket(
tno, ride_date, ride_time, ride_id, cust_id)
VALUES( 'R01260','8/6/2020','15:01:01',110,'110221');

```

```

INSERT INTO amusment_park.ride_ticket(
tno, ride_date, ride_time, ride_id, cust_id)
VALUES( 'R01267','8/13/2020','15:00:00',108,'110213');
INSERT INTO amusment_park.ride_ticket(
tno, ride_date, ride_time, ride_id, cust_id)
VALUES( 'R01268','8/17/2020','14:28:54',109,'110223');
INSERT INTO amusment_park.ride_ticket(
tno, ride_date, ride_time, ride_id, cust_id)
VALUES( 'R01270','9/10/2020','12:32:22',107,'110224');
INSERT INTO amusment_park.ride_ticket(
tno, ride_date, ride_time, ride_id, cust_id)
VALUES( 'R01278','9/26/2020','12:47:45',110,'110225');
INSERT INTO amusment_park.ride_ticket(
tno, ride_date, ride_time, ride_id, cust_id)
VALUES( 'R01279','10/11/2020','12:00:08',109,'110226');
INSERT INTO amusment_park.ride_ticket(
tno, ride_date, ride_time, ride_id, cust_id)
VALUES( 'R01281','11/6/2020','19:23:34',101,'110227');
INSERT INTO amusment_park.ride_ticket(
tno, ride_date, ride_time, ride_id, cust_id)
VALUES( 'R01290','11/10/2020','18:57:08',108,'110228');
INSERT INTO amusment_park.ride_ticket(
tno, ride_date, ride_time, ride_id, cust_id)
VALUES( 'R01295','11/29/2020','17:07:59',105,'110229');
INSERT INTO amusment_park.ride_ticket(
tno, ride_date, ride_time, ride_id, cust_id)
VALUES( 'R01299','12/9/2020','16:37:58',106,'110226');

```

/*items*/

```

INSERT INTO amusment_park.items(
item_code, item_name, rate)
VALUES( 1101,'Ornaments',200);
INSERT INTO amusment_park.items(
item_code, item_name, rate)
VALUES( 1102,'Tshirts',1000);
INSERT INTO amusment_park.items(
item_code, item_name, rate)
VALUES( 1103,'Postcards',300);
INSERT INTO amusment_park.items(
item_code, item_name, rate)
VALUES( 1104,'Shot glasses',1500);
INSERT INTO amusment_park.items(
item_code, item_name, rate)
VALUES( 1105,'Home decor items',2200);
INSERT INTO amusment_park.items(
item_code, item_name, rate)
VALUES( 1106,'Local liquor',2500);
INSERT INTO amusment_park.items(
item_code, item_name, rate)
VALUES( 1107,'Books',1800);
INSERT INTO amusment_park.items(
item_code, item_name, rate)
VALUES( 1108,'Soft toys',500);
INSERT INTO amusment_park.items(
item_code, item_name, rate)
VALUES( 1109,'Cosmetics',450);
INSERT INTO amusment_park.items(
item_code, item_name, rate)
VALUES( 1110,'Toy automobiles',800);

```

/*invoice*/

```

INSERT INTO amusment_park.invoice(
invoice_number, cust_id, purchase_date, purchase_time)

```

```

VALUES( 12110,'110215','4/28/2020','14:08:45');
INSERT INTO amusment_park.invoice(
invoice_number, cust_id, purchase_date, purchase_time)
VALUES( 12111,'110215','4/28/2020','14:16:43');
INSERT INTO amusment_park.invoice(
invoice_number, cust_id, purchase_date, purchase_time)
VALUES( 12112,'110220','7/20/2020','15:00:07');
INSERT INTO amusment_park.invoice(
invoice_number, cust_id, purchase_date, purchase_time)
VALUES( 12113,'110226','10/11/2020','10:08:23');
INSERT INTO amusment_park.invoice(
invoice_number, cust_id, purchase_date, purchase_time)
VALUES( 12114,'110222','12/13/2020','12:32:58');
INSERT INTO amusment_park.invoice(
invoice_number, cust_id, purchase_date, purchase_time)
VALUES( 12115,'110226','10/11/2020','15:10:12');
INSERT INTO amusment_park.invoice(
invoice_number, cust_id, purchase_date, purchase_time)
VALUES( 12116,'110227','11/6/2020','17:23:43');
INSERT INTO amusment_park.invoice(
invoice_number, cust_id, purchase_date, purchase_time)
VALUES( 12117,'110228','11/10/2020','19:00:20');
INSERT INTO amusment_park.invoice(
invoice_number, cust_id, purchase_date, purchase_time)
VALUES( 12118,'110229','11/29/2020','15:00:24');
INSERT INTO amusment_park.invoice(
invoice_number, cust_id, purchase_date, purchase_time)
VALUES( 12119,'110229','11/29/2020','15:03:25');
INSERT INTO amusment_park.invoice(
invoice_number, cust_id, purchase_date, purchase_time)
VALUES( 12120,'110230','2/4/2021','12:35:52');

```

```

/*invoice_details*/
INSERT INTO amusment_park.invoice_details(
invoice_number, item_code, qty)
VALUES( 12110,1101,4);
INSERT INTO amusment_park.invoice_details(
invoice_number, item_code, qty)
VALUES( 12111,1102,12);
INSERT INTO amusment_park.invoice_details(
invoice_number, item_code, qty)
VALUES( 12112,1105,3);
INSERT INTO amusment_park.invoice_details(
invoice_number, item_code, qty)
VALUES( 12113,1103,5);
INSERT INTO amusment_park.invoice_details(
invoice_number, item_code, qty)
VALUES( 12114,1104,9);
INSERT INTO amusment_park.invoice_details(
invoice_number, item_code, qty)
VALUES( 12115,1106,14);
INSERT INTO amusment_park.invoice_details(
invoice_number, item_code, qty)
VALUES( 12116,1108,10);
INSERT INTO amusment_park.invoice_details(
invoice_number, item_code, qty)
VALUES( 12117,1109,5);
INSERT INTO amusment_park.invoice_details(
invoice_number, item_code, qty)
VALUES( 12118,1110,20);
INSERT INTO amusment_park.invoice_details(
invoice_number, item_code, qty)
VALUES( 12119,1107,1);
INSERT INTO amusment_park.invoice_details(
invoice_number, item_code, qty)

```

```
VALUES( 12120,1107,7);
```

```
/*break_down_records*/
```

```
INSERT INTO amusment_park.break_down_records(
br_id, reporting_date, reporting_time, ride_id)
VALUES( 'b1','06-07-2020','16:00:00',101);
INSERT INTO amusment_park.break_down_records(
br_id, reporting_date, reporting_time, ride_id)
VALUES( 'b2','6/14/2020','13:30:00',104);
INSERT INTO amusment_park.break_down_records(
br_id, reporting_date, reporting_time, ride_id)
VALUES( 'b3','6/28/2020','15:00:00',103);
INSERT INTO amusment_park.break_down_records(
br_id, reporting_date, reporting_time, ride_id)
VALUES( 'b4','07-12-2020','16:30:00',105);
INSERT INTO amusment_park.break_down_records(
br_id, reporting_date, reporting_time, ride_id)
VALUES( 'b5','7/20/2020','15:30:00',106);
INSERT INTO amusment_park.break_down_records(
br_id, reporting_date, reporting_time, ride_id)
VALUES( 'b6','7/29/2020','17:00:00',107);
INSERT INTO amusment_park.break_down_records(
br_id, reporting_date, reporting_time, ride_id)
VALUES( 'b7','08-11-2020','11:30:00',109);
INSERT INTO amusment_park.break_down_records(
br_id, reporting_date, reporting_time, ride_id)
VALUES( 'b8','8/23/2020','19:00:00',103);
INSERT INTO amusment_park.break_down_records(
br_id, reporting_date, reporting_time, ride_id)
VALUES( 'b9','8/31/2020','18:00:00',104);
INSERT INTO amusment_park.break_down_records(
br_id, reporting_date, reporting_time, ride_id)
VALUES( 'b10','09-09-2020','16:30:00',108);
INSERT INTO amusment_park.break_down_records(
br_id, reporting_date, reporting_time, ride_id)
VALUES( 'b11','12-10-2020','18:38:00',110);
INSERT INTO amusment_park.break_down_records(
br_id, reporting_date, reporting_time, ride_id)
VALUES( 'b12','11-11-2020','19:30:00',101);
INSERT INTO amusment_park.break_down_records(
br_id, reporting_date, reporting_time, ride_id)
VALUES( 'b13','05-12-2020','20:30:00',102);
INSERT INTO amusment_park.break_down_records(
br_id, reporting_date, reporting_time, ride_id)
VALUES( 'b14','9/13/2020','21:30:00',103);
INSERT INTO amusment_park.break_down_records(
br_id, reporting_date, reporting_time, ride_id)
VALUES( 'b15','9/14/2020','22:30:00',104);
```

```
/*maintaince_ticket*/
```

```
INSERT INTO amusment_park.maintaince_ticket(
ticket_number, cost, contact_number, m_date, bid, rid)
VALUES( 'm01',10001,'9999888822','11/20/2020','b1',101);
INSERT INTO amusment_park.maintaince_ticket(
ticket_number, cost, contact_number, m_date, bid, rid)
VALUES( 'm02',35000,'9999888822','11/20/2020','b2',102);
INSERT INTO amusment_park.maintaince_ticket(
ticket_number, cost, contact_number, m_date, bid, rid)
VALUES( 'm03',42000,'9898665544','10/25/2020','b3',103);
INSERT INTO amusment_park.maintaince_ticket(
ticket_number, cost, contact_number, m_date, bid, rid)
VALUES( 'm04',19000,'9898665544','10/25/2020','b4',104);
INSERT INTO amusment_park.maintaince_ticket(
ticket_number, cost, contact_number, m_date, bid, rid)
```

```

VALUES( 'm05',33000,'7864321200','12/18/2020','b5',105);
INSERT INTO amusment_park.maintaince_ticket(
ticket_number, cost, contact_number, m_date, bid, rid)
VALUES( 'm06',56000,'7864321200','12/18/2020','b6',106);
INSERT INTO amusment_park.maintaince_ticket(
ticket_number, cost, contact_number, m_date, bid, rid)
VALUES( 'm07',29500,'8891607235','12/18/2020','b7',107);
INSERT INTO amusment_park.maintaince_ticket(
ticket_number, cost, contact_number, m_date, bid, rid)
VALUES( 'm08',34500,'8891607235','12/29/2020','b8',108);
INSERT INTO amusment_park.maintaince_ticket(
ticket_number, cost, contact_number, m_date, bid, rid)
VALUES( 'm09',42250,'9164325678','12/29/2020','b9',109);
INSERT INTO amusment_park.maintaince_ticket(
ticket_number, cost, contact_number, m_date, bid, rid)
VALUES( 'm10',52350,'9164325678','12/29/2020','b10',110);

```

```

/*lost_and_found*/
INSERT INTO amusment_park.lost_and_found(
complaint_id, item_name, item_desc, loc_id, cust_id)
VALUES( '110211','jacket','black color jacket','loc_01','110214');
INSERT INTO amusment_park.lost_and_found(
complaint_id, item_name, item_desc, loc_id, cust_id)
VALUES( '110228','purse','purple purse','loc_02','110215');
INSERT INTO amusment_park.lost_and_found(
complaint_id, item_name, item_desc, loc_id, cust_id)
VALUES( '110227','Electronics','Black colour Data cable','loc_03','110216');
INSERT INTO amusment_park.lost_and_found(
complaint_id, item_name, item_desc, loc_id, cust_id)
VALUES( '110226','Powerbank','Power bank and white cable','loc_04','110217');
INSERT INTO amusment_park.lost_and_found(
complaint_id, item_name, item_desc, loc_id, cust_id)
VALUES( '111025','Flask','Black colour used belt','loc_05','110218');
INSERT INTO amusment_park.lost_and_found(
complaint_id, item_name, item_desc, loc_id, cust_id)
VALUES( '110223','Laptop','Black colour laptop','loc_06','110219');
INSERT INTO amusment_park.lost_and_found(
complaint_id, item_name, item_desc, loc_id, cust_id)
VALUES( '110224','Personal Belongings - Others','Blood pressure
machine','loc_07','110220');
INSERT INTO amusment_park.lost_and_found(
complaint_id, item_name, item_desc, loc_id, cust_id)
VALUES( '110229','Medical Documents','Medical report','loc_08','110221');
INSERT INTO amusment_park.lost_and_found(
complaint_id, item_name, item_desc, loc_id, cust_id)
VALUES( '110212','Diary','Pink diary','loc_09','110222');
INSERT INTO amusment_park.lost_and_found(
complaint_id, item_name, item_desc, loc_id, cust_id)
VALUES( '110213','Charger','Black color charger','loc_10','110223');

```

```

/*department*/
INSERT INTO amusment_park.department(
dept_id, dept_name, manager)
VALUES( 'd101','medical','emp9eQcEfJmDV');
INSERT INTO amusment_park.department(
dept_id, dept_name, manager)
VALUES( 'd102','cleaning','emphzi5A4VhMF');
INSERT INTO amusment_park.department(
dept_id, dept_name, manager)
VALUES( 'd103','catering','emp8dCRr7hwE6');
INSERT INTO amusment_park.department(
dept_id, dept_name, manager)

```

```
VALUES( 'd104','enquiry','emprlkjMlhdgt');
INSERT INTO amusment_park.department(
dept_id, dept_name, manager)
VALUES( 'd105','finance','empePwyo80DgZ');
```

```
/*salaried_employee*/
INSERT INTO amusment_park.salaried_employee(
salary, post, dept_id, emp_id) Values( 45700,'accountant','d105','emp6tN8pC7zXr');
INSERT INTO amusment_park.salaried_employee(
salary, post, dept_id, emp_id) Values( 78000,'manager','d101','emp9eQcEfJmDV');
INSERT INTO amusment_park.salaried_employee(
salary, post, dept_id, emp_id) Values( 97000,'manager','d102','emphzi5A4VhMF');
INSERT INTO amusment_park.salaried_employee(
salary, post, dept_id, emp_id) Values( 87500,'manager','d103','emp8dCRr7hwE6');
INSERT INTO amusment_park.salaried_employee(
salary, post, dept_id, emp_id) Values( 83500,'manager','d104','emprlkjMlhdgt');
INSERT INTO amusment_park.salaried_employee(
salary, post, dept_id, emp_id) Values( 110000,'manager','d105','empePwyo80DgZ');
```

```
/*contractual_employee*/
INSERT INTO amusment_park.contractual_employee(
start_date, end_date, profession, total_contract_wages,emp_id)
VALUES( '06/01/2020','06/01/2021','comedian',60000,'empy9409Wc5W4');
INSERT INTO amusment_park.contractual_employee(
start_date, end_date, profession, total_contract_wages,emp_id)
VALUES( '06/01/2020','07/21/2022','musician',80000,'emp4yo4pf0c1G');
INSERT INTO amusment_park.contractual_employee(
start_date, end_date, profession, total_contract_wages,emp_id)
VALUES( '06/01/2020','03/31/2023','dancer',75000,'emp02SQunk1ol');
INSERT INTO amusment_park.contractual_employee(
start_date, end_date, profession, total_contract_wages,emp_id)
VALUES( '06/01/2020','06/01/2024','doctor',125000,'empfNxWfMj4T');
INSERT INTO amusment_park.contractual_employee(
start_date, end_date, profession, total_contract_wages,emp_id)
VALUES( '06/01/2020','07/21/2022','musician',80000,'empSQKdi6tmOs');
INSERT INTO amusment_park.contractual_employee(
start_date, end_date, profession, total_contract_wages,emp_id)
VALUES( '06/01/2020','03/31/2023','dancer',55000,'emprwU4kVsNUR');
INSERT INTO amusment_park.contractual_employee(
start_date, end_date, profession, total_contract_wages,emp_id)
VALUES( '06/01/2020','06/01/2025','technician',100000,'empuHrOEBKxd');
INSERT INTO amusment_park.contractual_employee(
start_date, end_date, profession, total_contract_wages,emp_id)
VALUES( '06/01/2020','09/31/2022','actor',35000,'emptzLhSzw41a');
INSERT INTO amusment_park.contractual_employee(
start_date, end_date, profession, total_contract_wages,emp_id)
VALUES( '06/01/2020','06/01/2023','magician',47000,'emp6nU7jaVK7w');
INSERT INTO amusment_park.contractual_employee(
start_date, end_date, profession, total_contract_wages,emp_id)
VALUES( '06/01/2020','07/01/2021','host',28000,'empJ3vtHoPAIM');
```

```
/*supplies*/
INSERT INTO amusment_park.supplies(
sup_id, item_name, price)
VALUES( 's101','broom',50);
INSERT INTO amusment_park.supplies(
sup_id, item_name, price)
VALUES( 's102','mop',200);
INSERT INTO amusment_park.supplies(
sup_id, item_name, price)
VALUES( 's103','soap',100);
INSERT INTO amusment_park.supplies(
sup_id, item_name, price)
```

```

VALUES( 's104','lamps',5500);
INSERT INTO amusment_park.supplies(
sup_id, item_name, price)
VALUES( 's105','brush cutter',15000);
INSERT INTO amusment_park.supplies(
sup_id, item_name, price)
VALUES( 's106','first aid kit',350);
INSERT INTO amusment_park.supplies(
sup_id, item_name, price)
VALUES( 's107','dustbin',1900);
INSERT INTO amusment_park.supplies(
sup_id, item_name, price)
VALUES( 's108','mat',2000);
INSERT INTO amusment_park.supplies(
sup_id, item_name, price)
VALUES( 's109','chair',7000);
INSERT INTO amusment_park.supplies(
sup_id, item_name, price)
VALUES( 's110','table',12000);
INSERT INTO amusment_park.supplies(
sup_id, item_name, price)
VALUES( 's111','bench',38000);
/*supply_order*/
INSERT INTO amusment_park.supply_order(
order_id, sup_id, qty, manager, order_date)
VALUES( 'o1','s101',23,'emp9eQcEfJmDV','1/23/1900');
INSERT INTO amusment_park.supply_order(
order_id, sup_id, qty, manager, order_date)
VALUES( 'o2','s102',50,'emphzi5A4VhMF','3/24/1900');
INSERT INTO amusment_park.supply_order(
order_id, sup_id, qty, manager, order_date)
VALUES( 'o3','s103',23,'emp8dCRr7hwE6','8/25/1900');
INSERT INTO amusment_park.supply_order(
order_id, sup_id, qty, manager, order_date)
VALUES( 'o4','s104',34,'empr1kjMlhdgt','9/26/1900');
INSERT INTO amusment_park.supply_order(
order_id, sup_id, qty, manager, order_date)
VALUES( 'o5','s105',21,'empePwyo8ODgZ','12/27/1900');
INSERT INTO amusment_park.supply_order(
order_id, sup_id, qty, manager, order_date)
VALUES( 'o6','s106',45,'emphzi5A4VhMF','2/28/1900');
INSERT INTO amusment_park.supply_order(
order_id, sup_id, qty, manager, order_date)
VALUES( 'o7','s107',12,'emp8dCRr7hwE6','7/29/1900');
INSERT INTO amusment_park.supply_order(
order_id, sup_id, qty, manager, order_date)
VALUES( 'o8','s108',10,'emp8dCRr7hwE6','06-05-1900');
INSERT INTO amusment_park.supply_order(
order_id, sup_id, qty, manager, order_date)
VALUES( 'o9','s109',18,'emphzi5A4VhMF','10-04-1900');
INSERT INTO amusment_park.supply_order(
order_id, sup_id, qty, manager, order_date)
VALUES( 'o10','s110',12,'empr1kjMlhdgt','11-06-1900');

/*performs at*/
INSERT INTO amusment_park.perfroms_at(
emp_id, event_id)
VALUES( 'empy9409Wc5W4','e106');
INSERT INTO amusment_park.perfroms_at(
emp_id, event_id)
VALUES( 'emp4yo4pf0c1G','e104');
INSERT INTO amusment_park.perfroms_at(
emp_id, event_id)
VALUES( 'emp02SQunk1o1','e101');
INSERT INTO amusment_park.perfroms_at(

```

```

emp_id, event_id)
VALUES( 'emprwU4kVsNUR','e101');
INSERT INTO amusment_park.perfroms_at(
emp_id, event_id)
VALUES( 'emptzLhSzW41a','e104');
INSERT INTO amusment_park.perfroms_at(
emp_id, event_id)
VALUES( 'emp6nU7jaVK7w','e109');
INSERT INTO amusment_park.perfroms_at(
emp_id, event_id)
VALUES( 'empJ3vtHoPALM','e110');
INSERT INTO amusment_park.perfroms_at(
emp_id, event_id)
VALUES( 'empSQKdi6tmOs','e104');
INSERT INTO amusment_park.perfroms_at(
emp_id, event_id)
VALUES( 'empy9409Wc5W4','e109');
INSERT INTO amusment_park.perfroms_at(
emp_id, event_id)
VALUES( 'emp4yo4pf0c1G','e104');
INSERT INTO amusment_park.perfroms_at(
emp_id, event_id)
VALUES( 'empuHrOEQBKxd','e108');
INSERT INTO amusment_park.perfroms_at(
emp_id, event_id)
VALUES( 'empJ3vtHoPALM','e107');
INSERT INTO amusment_park.perfroms_at(
emp_id, event_id)
VALUES( 'emptzLhSzW41a','e103');

```

```

/*food shops*/
INSERT INTO amusment_park.food_shops(
shop_no, shop_name, shop_location, capacity)
VALUES( 'S01','Bite Moguls','loc_01','40');
INSERT INTO amusment_park.food_shops(
shop_no, shop_name, shop_location, capacity)
VALUES( 'S02','SnackOPedia','loc_01','50');
INSERT INTO amusment_park.food_shops(
shop_no, shop_name, shop_location, capacity)
VALUES( 'S03','The Veg Tickle','loc_01','60');
INSERT INTO amusment_park.food_shops(
shop_no, shop_name, shop_location, capacity)
VALUES( 'S04','The Grill Reaper','loc_01','45');
INSERT INTO amusment_park.food_shops(
shop_no, shop_name, shop_location, capacity)
VALUES( 'S05','Foodienator','loc_01','60');
INSERT INTO amusment_park.food_shops(
shop_no, shop_name, shop_location, capacity)
VALUES( 'S06','Pan Frombies','loc_01','50');

```

```

/*food items*/
INSERT INTO amusment_park.food_items(
item_no, item_name, rate)
VALUES( 101,'Chicken Makhani ',250);
INSERT INTO amusment_park.food_items(
item_no, item_name, rate)
VALUES( 102,'Samosas',20);
INSERT INTO amusment_park.food_items(
item_no, item_name, rate)
VALUES( 103,'Matar paneer',200);
INSERT INTO amusment_park.food_items(
item_no, item_name, rate)

```



```

VALUES( 104,'Dhokla',150);
INSERT INTO amusment_park.food_items(
item_no, item_name, rate)
VALUES( 105,'Jalebi',50);
INSERT INTO amusment_park.food_items(
item_no, item_name, rate)
VALUES( 106,'chicken with chestnuts',300);
INSERT INTO amusment_park.food_items(
item_no, item_name, rate)
VALUES( 107,'Hot and Sour Soup',400);
INSERT INTO amusment_park.food_items(
item_no, item_name, rate)
VALUES( 108,'Quick Noodles',450);
INSERT INTO amusment_park.food_items(
item_no, item_name, rate)
VALUES( 109,'Szechwan Chilli Chicken',380);
INSERT INTO amusment_park.food_items(
item_no, item_name, rate)
VALUES( 110,' Spring Rolls',399);
INSERT INTO amusment_park.food_items(
item_no, item_name, rate)
VALUES( 111,'Patatas bravas',350);
INSERT INTO amusment_park.food_items(
item_no, item_name, rate)
VALUES( 112,'Paella Valenciana',300);
INSERT INTO amusment_park.food_items(
item_no, item_name, rate)
VALUES( 113,'Gazpacho',299);
INSERT INTO amusment_park.food_items(
item_no, item_name, rate)
VALUES( 114,'Pimientos de Padron',450);
INSERT INTO amusment_park.food_items(
item_no, item_name, rate)
VALUES( 115,'Tortilla',480);
INSERT INTO amusment_park.food_items(
item_no, item_name, rate)
VALUES( 116,'Key lime pie',250);
INSERT INTO amusment_park.food_items(
item_no, item_name, rate)
VALUES( 117,'Tater tots',280);
INSERT INTO amusment_park.food_items(
item_no, item_name, rate)
VALUES( 118,'Cobb salad',150);
INSERT INTO amusment_park.food_items(
item_no, item_name, rate)
VALUES( 119,'Twinkies',200);
INSERT INTO amusment_park.food_items(
item_no, item_name, rate)
VALUES( 120,'Thin crust pizza',380);
INSERT INTO amusment_park.food_items(
item_no, item_name, rate)
VALUES( 121,'Mix fruit smoothie',150);
INSERT INTO amusment_park.food_items(
item_no, item_name, rate)
VALUES( 122,'Pineapple salad',120);
INSERT INTO amusment_park.food_items(
item_no, item_name, rate)
VALUES( 123,'Mayo sandwich',50);
INSERT INTO amusment_park.food_items(
item_no, item_name, rate)
VALUES( 124,'Diet coke',80);
INSERT INTO amusment_park.food_items(
item_no, item_name, rate)
VALUES( 125,'Energy drink',90);

```

```

/*order inserts*/
INSERT INTO amusment_park.food_order(
order_id, food_item_no, shop_number, cust_id,order_date,qty)
VALUES( 1,101,'S04','110211','12/11/2020',5);
INSERT INTO amusment_park.food_order(
order_id, food_item_no, shop_number, cust_id,order_date,qty)
VALUES( 2,103,'S04','110212','12/04/2020',6);
INSERT INTO amusment_park.food_order(
order_id, food_item_no, shop_number, cust_id,order_date,qty)
VALUES( 3,101,'S04','110214','12/11/2020',2);
INSERT INTO amusment_park.food_order(
order_id, food_item_no, shop_number, cust_id,order_date,qty)
VALUES( 4,106,'S03','110214','01/13/2021',3);
INSERT INTO amusment_park.food_order(
order_id, food_item_no, shop_number, cust_id,order_date,qty)
VALUES( 5,109,'S01','110214','12/13/2020',5);
INSERT INTO amusment_park.food_order(
order_id, food_item_no, shop_number, cust_id,order_date,qty)
VALUES( 6,101,'S01','110213','01/13/2021',5);
INSERT INTO amusment_park.food_order(
order_id, food_item_no, shop_number, cust_id,order_date,qty)
VALUES( 7,111,'S06','110219','12/13/2020',5);
INSERT INTO amusment_park.food_order(
order_id, food_item_no, shop_number, cust_id,order_date,qty)
VALUES( 8,112,'S03','110223','01/13/2021',3);
INSERT INTO amusment_park.food_order(
order_id, food_item_no, shop_number, cust_id,order_date,qty)
VALUES( 9,101,'S03','110223','12/13/2020',3);
INSERT INTO amusment_park.food_order(
order_id, food_item_no, shop_number, cust_id,order_date,qty)
VALUES( 10,101,'S03','110219','12/13/2020',2);
INSERT INTO amusment_park.food_order(
order_id, food_item_no, shop_number, cust_id,order_date,qty)
VALUES( 11,101,'S04','110225','01/13/2021',1);
INSERT INTO amusment_park.food_order(
order_id, food_item_no, shop_number, cust_id,order_date,qty)
VALUES( 12,121,'S05','110230','12/11/2020',5);
INSERT INTO amusment_park.food_order(
order_id, food_item_no, shop_number, cust_id,order_date,qty)
VALUES( 13,106,'S03','110229','01/13/2021',6);
INSERT INTO amusment_park.food_order(
order_id, food_item_no, shop_number, cust_id,order_date,qty)
VALUES( 14,101,'S06','110229','12/13/2020',6);
INSERT INTO amusment_park.food_order(
order_id, food_item_no, shop_number, cust_id,order_date,qty)
VALUES( 15,124,'S02','110224','01/13/2021',6);
INSERT INTO amusment_park.food_order(
order_id, food_item_no, shop_number, cust_id,order_date,qty)
VALUES( 16,101,'S02','110220','12/13/2020',7);
INSERT INTO amusment_park.food_order(
order_id, food_item_no, shop_number, cust_id,order_date,qty)
VALUES( 17,101,'S04','110211','12/11/2020',1);
INSERT INTO amusment_park.food_order(
order_id, food_item_no, shop_number, cust_id,order_date,qty)
VALUES( 18,103,'S04','110212','12/04/2020',1);
INSERT INTO amusment_park.food_order(
order_id, food_item_no, shop_number, cust_id,order_date,qty)
VALUES( 19,101,'S04','110214','12/11/2020',1);
INSERT INTO amusment_park.food_order(
order_id, food_item_no, shop_number, cust_id,order_date,qty)
VALUES( 20,106,'S03','110214','01/13/2021',8);
INSERT INTO amusment_park.food_order(
order_id, food_item_no, shop_number, cust_id,order_date,qty)
VALUES( 21,109,'S01','110214','12/13/2020',5);
INSERT INTO amusment_park.food_order(
order_id, food_item_no, shop_number, cust_id,order_date,qty)

```

```

VALUES( 22,101,'S01','110213','01/1/2021',5);
INSERT INTO amusment_park.food_order(
order_id, food_item_no, shop_number, cust_id,order_date,qty)
VALUES( 23,111,'S06','110219','12/13/2020',8);
INSERT INTO amusment_park.food_order(
order_id, food_item_no, shop_number, cust_id,order_date,qty)
VALUES( 24,112,'S03','110223','01/13/2021',8);
INSERT INTO amusment_park.food_order(
order_id, food_item_no, shop_number, cust_id,order_date,qty)
VALUES( 25,101,'S03','110223','12/13/2020',4);
INSERT INTO amusment_park.food_order(
order_id, food_item_no, shop_number, cust_id,order_date,qty)
VALUES( 26,101,'S03','110219','01/1/2021',4);
INSERT INTO amusment_park.food_order(
order_id, food_item_no, shop_number, cust_id,order_date,qty)
VALUES( 27,101,'S04','110225','01/13/2021',4);
INSERT INTO amusment_park.food_order(
order_id, food_item_no, shop_number, cust_id,order_date,qty)
VALUES( 28,121,'S05','110230','01/1/2021',4);
INSERT INTO amusment_park.food_order(
order_id, food_item_no, shop_number, cust_id,order_date,qty)
VALUES( 29,106,'S03','110229','01/1/2021',4);
INSERT INTO amusment_park.food_order(
order_id, food_item_no, shop_number, cust_id,order_date,qty)
VALUES( 30,101,'S06','110229','01/1/2021',4);
INSERT INTO amusment_park.food_order(
order_id, food_item_no, shop_number, cust_id,order_date,qty)
VALUES( 31,124,'S02','110224','01/13/2021',4);
INSERT INTO amusment_park.food_order(
order_id, food_item_no, shop_number, cust_id,order_date,qty)
VALUES( 32,101,'S02','110220','01/1/2021',3);

```

```

/*relation*/
INSERT INTO amusment_park.food_shop_item_relation(
shop_no, item_no)
VALUES( 'S04',101);
INSERT INTO amusment_park.food_shop_item_relation(
shop_no, item_no)
VALUES( 'S04',103);
INSERT INTO amusment_park.food_shop_item_relation(
shop_no, item_no)
VALUES( 'S04',105);
INSERT INTO amusment_park.food_shop_item_relation(
shop_no, item_no)
VALUES( 'S03',106);
INSERT INTO amusment_park.food_shop_item_relation(
shop_no, item_no)
VALUES( 'S01',109);
INSERT INTO amusment_park.food_shop_item_relation(
shop_no, item_no)
VALUES( 'S01',110);
INSERT INTO amusment_park.food_shop_item_relation(
shop_no, item_no)
VALUES( 'S06',111);
INSERT INTO amusment_park.food_shop_item_relation(
shop_no, item_no)
VALUES( 'S03',112);
INSERT INTO amusment_park.food_shop_item_relation(
shop_no, item_no)
VALUES( 'S03',113);
INSERT INTO amusment_park.food_shop_item_relation(
shop_no, item_no)
VALUES( 'S03',114);
INSERT INTO amusment_park.food_shop_item_relation(

```





```
shop_no, item_no)
VALUES( 'S03',115);
INSERT INTO amusment_park.food_shop_item_relation(
shop_no, item_no)
VALUES( 'S05',121);
INSERT INTO amusment_park.food_shop_item_relation(
shop_no, item_no)
VALUES( 'S05',122);
INSERT INTO amusment_park.food_shop_item_relation(
shop_no, item_no)
VALUES( 'S06',123);
INSERT INTO amusment_park.food_shop_item_relation(
shop_no, item_no)
VALUES( 'S02',124);
INSERT INTO amusment_park.food_shop_item_relation(
shop_no, item_no)
VALUES( 'S02',125);
```

Queries:

Query: Write a query to find out which shop was frequented most by the customers.

```
select shop_no,shop_name,count(shop_no)
as number_of_orders from food_shops
join food_order on shop_number=shop_no
group by shop_no,shop_name
order by number_of_orders
desc limit 1;
```

1	set search_path to amusment_park;
2	select shop_no,shop_name ,count(shop_no)
3	as number_of_orders from food_shops
4	join food_order on shop_number=shop_no
5	group by shop_no,shop_name
6	order by number_of_orders
7	desc limit 1;

Data Output	Explain	Messages	Notifications
	shop_no [PK] character varying 	shop_name character varying 	number_of_orders bigint 
1	S03	The Veg Tickle	5

Query: Write a query to find out the dish that was ordered most by the customers.

```
select item_no,item_name,count(item_no)
as no_of_orders from food_order
join food_items on item_no=food_item_no
group by item_no,item_name
order by no_of_orders desc limit 1;
```

```

1 set search_path to amusment_park;
2 select item_no,item_name, count(item_no)
3 as no_of_orders from food_order
4 join food_items on item_no=food_item_no
5 group by item_no,item_name
6 order by no_of_orders
7 desc limit 1 ;

```

Data Output Explain Messages Notifications

	item_no [PK] integer	item_name character varying	no_of_orders bigint
1	101	Chicken Makhani	3

Query: Write a query to find out which customer ordered the most food items.

select cust_id,cust_name,count(cust_id)

as no_of_orders from food_order

natural join customer

group by cust_id,cust_name

order by no_of_orders desc limit 1;

```

1 set search_path to amusment_park;
2 select cust_id,cust_name, count(cust_id)
3 as no_of_orders from food_order
4 natural join customer
5 group by cust_id,cust_name
6 order by no_of_orders
7 desc limit 1;

```

Data Output Explain Messages Notifications

	cust_id character varying	cust_name character varying (50)	no_of_orders bigint
1	110214	Prachi	3




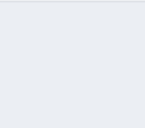
Query: Write a query to display the food items ordered by the customer having customer id= '110214'.

```
select cust_name, item_name from food_order  
join food_items on food_item_no=item_no  
natural join customer where cust_id='110214';
```

```

1  set search_path to amusement_park;
2  select cust_name,item_name from food_order
3  join food_items on food_item_no=item_no
4  natural join customer where cust_id='110214';

```

Data Output	Explain	Messages	Notifications
 cust_name character varying (50)		item_name character varying	
1 Prachi		Chicken Makhani	
2 Prachi		chicken with chestnuts	
3 Prachi		Szechwan Chilli Chicken	

Query: Write a query to display the name of the shop having the most items.

```
select shop_no,shop_name,count(item_no) as no_of_items  
from food_shop_item_relation natural join food_shops  
group by shop_no,shop_name  
order by no_of_items desc limit 1;
```

```

1 set search_path to amusment_park;
2 select shop_no,shop_name, count(item_no) as no_of_items
3 from food_shop_item_relation natural join food_shops
4 group by shop_no,shop_name
5 order by no_of_items
6 desc limit 1;
7

```

Data Output Explain Messages Notifications

	shop_no character varying	shop_name character varying	no_of_items bigint	
1	S03	The Veg Tickle	5	

Query: Write a query to display the names of items that the customers have not ordered.

select item_no,item_name from food_items

where item_no not in

(select distinct food_item_no as item_no from food_order);


```

1 set search_path to amusment_park;
2 select item_no,item_name from food_items
3 where item_no not in
4 (select distinct food_item_no
5  as item_no from food_order);

```

Data Output Explain Messages Notifications

	item_no [PK] integer	item_name character varying	
1	102	Samosas	
2	105	Jalebi	
3	107	Hot and Sour Soup	
4	108	Quick Noodles	
5	110	Spring Rolls	
6	114	Pimientos de Padron	
7	115	Tortilla	
8	116	Key lime pie	
9	117	Tater tots	
10	118	Cobb salad	
11	119	Twinkies	
12	120	Thin crust pizza	
13	122	Pineapple salad	

Query: Write a query to display the most popular dish among women.

select item_no,item_name from food_order

natural join customer join food_items on food_item_no=item_no

where gender='F' group by item_no

order by count(item_no) desc limit 1;

```

1  set search_path to amusment_park;
2  select item_no,item_name from food_order
3  natural join customer join food_items
4  on food_item_no=item_no
5  where gender='F'
6  group by item_no
7  order by count(item_no)
8  desc limit 1;

```

Data Output	Explain	Messages	Notifications
<div> <div>▲</div> <div> <div>item_no</div> <div>[PK] integer</div> <div>✎</div> </div> </div>	<div> <div>item_name</div> <div>character varying</div> <div>✎</div> </div>		
1	101	Chicken Makhani	

Query: Write a query to list the invoice numbers and their total amount.

```

set search_path to amusment_park;

select invoice_number,sum(rate*qty) as total_price
from invoice natural join invoice_details
natural join items group by(invoice_number);

```

```

1 set search_path to amusment_park;
2 select invoice_number,sum(rate*qty) as total_price
3 from invoice natural join invoice_details
4 natural join items group by(invoice_number);
5

```

Data Output Explain Messages Notifications

	invoice_number [PK] integer	total_price numeric	
1	12114	27000	
2	12118	32000	
3	12119	3600	
4	12116	10000	
5	12117	4500	
6	12112	13200	
7	12120	25200	
8	12115	70000	
9	12111	24000	
10	12113	3000	
11	12110	1600	

Query: Write a query to display the details of the customer who spent the highest amount at once.

```
set search_path to amusment_park;
```

```
select cust_name, phone, email, grand_total, purchase_date
```

```
from (select distinct invoice_number, sum(price) as grand_total
```

```
from (select invoice_number, (rate*qty) as price
```

```
from invoice natural join invoice_details natural join items)
```

```
as prices group by invoice_number order by grand_total desc limit 1)
```

```
as highest_total join invoice
```

```
on invoice.invoice_number=highest_total.invoice_number natural join customer;
```

```

1 select cust_name,phone,email,grand_total,purchase_date
2 from (select distinct invoice_number,sum(price) as grand_total
3       from (select invoice_number,(rate*qty) as price
4             from invoice natural join invoice_details natural join items)
5       as prices group by invoice_number order by grand_total desc limit 1)
6       as highest_total join invoice
7       on invoice.invoice_number=highest_total.invoice_number natural join customer ;

```

Data Output Explain Messages Notifications

	cust_name character varying (50)	phone character varying	email character varying (50)	grand_total numeric	purchase_date date	
1	Avi	9894634586	avi29@gmail.com	70000	2020-10-11	

Query: Write a query to display the customer id and invoice number of those who purchased items between 12:00 pm and 4:00 pm.

select * from invoice

where purchase_time between '12:00:00' and '16:00:00';

```

1 select * from invoice
2 where purchase_time between '12:00:00' and '16:00:00';

```

Data Output Explain Messages Notifications

	invoice_number [PK] integer	cust_id character varying	purchase_date date	purchase_time time without time zone
1	12110	110215	2020-04-28	14:08:45
2	12111	110215	2020-04-28	14:16:43
3	12112	110220	2020-07-20	15:00:07
4	12114	110222	2020-12-13	12:32:58
5	12115	110226	2020-10-11	15:10:12
6	12118	110229	2020-11-29	15:00:24
7	12119	110229	2020-11-29	15:03:25
8	12120	110230	2021-02-04	12:35:52

Query: Write a query to display the ride that generates the most revenue.

set search_path to amusement_park;

select ride_name, sum(no_of_tickets*price) as total_revenue

from ride_ticket natural join ride

group by ride_id, ride_name

order by total_revenue

desc limit 1;

```

1  set search_path to amusment_park;
2  select ride_name,sum(no_of_tickets*price) as total_revenue
3  from ride_ticket natural join ride
4  group by ride_id,ride_name
5  order by total_revenue
6  desc limit 1;

```

Data Output				Explain	Messages	Notifications
	ride_name character varying		total_revenue numeric			
1	Balloon Race		4400			

Query: Write a query to display the customer who has been to all rides.

set search_path to amusment_park;

select cust_name, phone, email from customer

where cust_id in (select cust_id

from (select distinct cust_id, ride_id

from ride_ticket)

as c_r group by c_r.cust_id

having count(c_r.cust_id)

in (select count(ride_id) from ride));

```

1 set search_path to amusment_park;
2 select cust_name,phone,email from customer
3 where cust_id in (select cust_id
4                   from (select distinct cust_id,ride_id
5                         from ride_ticket)
6                   as c_r group by c_r.cust_id
7                   having count(c_r.cust_id)
8                   in (select count(ride_id) from ride));

```

	Data Output	Explain	Messages	Notifications
	<div> <div>cust_name</div> <div>character varying (50)</div> </div>	<div> <div>phone</div> <div>character varying</div> </div>	<div> <div>email</div> <div>character varying (50)</div> </div>	
1	Malavika	8469717232	mal@gmail.com	

Query: Write a query to display the contractual employee with the longest duration of the contract.

```

set search_path to amusment_park;

select emp_name,profession,age(end_date,start_date)
as length_of_contract from contractual_employee
natural join employee order by length_of_contract
desc limit 1;

```

```

1 set search_path to amusment_park;
2 select emp_name,profession,AGE(end_date,start_date)
3 as length_of_contract from contractual_employee
4 natural join employee order by length_of_contract
5 desc limit 1;

```

	Data Output	Explain	Messages	Notifications
	<div> <div>emp_name</div> <div>character varying (50)</div> </div>	<div> <div>profession</div> <div>character varying</div> </div>	<div> <div>length_of_contract</div> <div>interval</div> </div>	
1	Eden Mitchell	technician	5 years	

Query: Write a query to display the top three employees having the most expensive contracts.

```

set search_path to amusment_park;

```

```

with wages_per_year_employee_rel as
(select years.emp_id, years.profession,
round(years.total_contract_wages/(years.end_year-years.start_year))
as wages_per_year from
(select*,extract(year from start_date)
as start_year,extract(year from end_date)
as end_year from contractual_employee) as
years) select emp_name, profession, email,wages_per_year
from wages_per_year_employee_rel
join employee on wages_per_year_employee_rel.emp_id=employee.emp_id
order by wages_per_year_employee_rel.wages_per_year
desc limit 3;

```

```

1  set search_path to amusment_park;
2  with wages_per_year_employee_rel as
3  (select years.emp_id , years.profession ,
4   round(years.total_contract_wages/(years.end_year-years.start_year))
5   as wages_per_year from
6  (select *,  EXTRACT(YEAR FROM start_date)
7   as start_year, EXTRACT(YEAR FROM end_date)
8   as end_year from contractual_employee) as
9  years) select  emp_name, profession, email,  wages_per_year
10 from wages_per_year_employee_rel
11 join employee on wages_per_year_employee_rel.emp_id = employee.emp_id
12 order by wages_per_year_employee_rel.wages_per_year
13 desc limit 3;

```

Data Output Explain Messages Notifications

	emp_name character varying (50)	profession character varying	email character varying (50)	wages_per_year double precision
1	Anya Cummings	comedian	an12@gmailcom	60000
2	Lilah Sandoval	musician	lis_san@gmail.com	40000
3	Deon Stephens	musician	Deon_stephens@gmail.com	40000

Query: Write a query to display the most expensive event.


```
set search_path to amusment_park;
```

```
select event_name,rate from events
```

```
natural join event_tickets
```

```
order by rate desc limit 1;
```

```
1 set search_path to amusment_park;  
2 select event_name,rate from events  
3 natural join event_tickets  
4 order by rate desc limit 1;
```

Data Output Explain Messages Notifications

	event_name character varying (20)	rate integer	
1	puppet show	1000	

Query: Write a query to display the event that generated the most revenue.

```
set search_path to amusment_park;
```

```
with tp as (select event_id, (no_of_seats*rate)
```

```
as ticket_price from event_tickets)
```

```
select event_id, event_name,sum(ticket_price)
```

```
as revenue from tp natural join events
```

```
group by tp.event_id,events.event_id
```

```
order by revenue desc limit 1;
```

```

1 set search_path to amusment_park;
2 with tp as (select event_id,(no_of_seats*rate)
3             as ticket_price from event_tickets)
4 select event_id,event_name,sum(ticket_price)
5 as revenue from tp natural join events
6 group by tp.event_id,events.event_id
7 order by revenue desc limit 1;

```

Data Output Explain Messages Notifications

	event_id character varying	event_name character varying (20)	revenue bigint	
1	e109	magic show	24500	

Query: Write a query to display the count of each Photo ID type.

set search_path to amusment_park;

select id_type,count(*) from photoidproof group by id_type;

```

1 set search_path to amusment_park;
2 select id_type,count(*) from photoidproof
3 group by id_type;

```

Data Output Explain Messages Notifications

	id_type character varying (50)	count bigint	
1	Aadhar	11	
2	Voter_id	7	
3	PAN Card	4	
4	Passport	7	
5	Driving license	11	

Query: Write a query to display the ratio of male is to female in employees.

set search_path to amusment_park;

select

(cast((select count(*) from employee where gender='M') as float)/

(cast((select count(*) from employee where gender='F') as float))

as Ratio_Male_is_to_female;

```
1 set search_path to amusment_park;
2 SELECT
3     (CAST((SELECT COUNT(*) FROM employee WHERE Gender='M') AS FLOAT) /
4     CAST((SELECT COUNT(*) FROM employee WHERE Gender='F') AS FLOAT))
5     AS Ratio_Male_is_to_female;
6
```

Data Output Explain Messages Notifications

	ratio_male_is_to_female double precision	
1	1.75	

Query: Write a query to display the list of those items whose revenue decreased from december 2020 to january 2021.

set search_path to amusment_park;

with dec_revenue as (

```
    select item_name, sum(rate*qty) as dec_revenue
    from food_order join food_items on item_no=food_item_no
    where date_part('month',order_date)=12
    and date_part('year',order_date)=2020
    group by item_name)
```

, jan_revenue as (

```
    select item_name, sum(rate*qty) as jan_revenue
    from food_order join food_items on item_no=food_item_no
    where date_part('month',order_date)=1
    and date_part('year',order_date)=2021
    group by item_name)
```

select * from dec_revenue join jan_revenue

on jan_revenue.item_name=dec_revenue.item_name

where dec_revenue > jan_revenue;

```
1 set search_path to amusment_park;
2 with dec_revenue as (
3     select item_name, sum(rate*qty) as dec_revenue
4     from food_order join food_items on item_no=food_item_no
5     where date_part('month',order_date)=12
6     and date_part('year',order_date)=2020
7     group by item_name)
8
9 , jan_revenue as (
10    select item_name, sum(rate*qty) as jan_revenue
11    from food_order join food_items on item_no=food_item_no
12    where date_part('month',order_date)=1
13    and date_part('year',order_date)=2021
14    group by item_name)
15
16 select * from dec_revenue join jan_revenue
17 on jan_revenue.item_name=dec_revenue.item_name
18 where dec_revenue > jan_revenue;
```

Data Output Explain Messages Notifications

	item_name character varying	dec_revenue numeric	item_name character varying	jan_revenue numeric	
1	Chicken Makhani	7750	Chicken Makhani	6500	
2	Mix fruit smoothie	750	Mix fruit smoothie	600	

PRACTICE QUERIES:

Query: Write a query to display the customers who have used Aadhar to register.

```
1 set search_path to amusment_park;
2 select cust_name,pid,image_link
3 from customer join photoidproof
4 on photoid_number=pid
5 where id_type='Aadhar';
6
```

	Data Output	Explain	Messages	Notifications
	cust_name character varying (30)	pid character varying (20)	image_link text	
1	Malavika	123456789011	https://quikchex.in/wp-content/uploads/2019/03/aadhar-card-sample-picture.jpg	
2	Dhruv	562390881111	https://i.pinimg.com/originals/bf/db/37/bfdb3796f2848739ade77e73e905068e.jpg	
3	Saumya	852165493337	https://sl.sbs.com.au/public/image/file/4da5571b-ab98-4e3c-80ef-44ede2a089bc/crop/16x9_large	
4	Lekha	985685221243	https://5.imimg.com/data5/NK/QQ/YH/SELLER-63858991/aadhaar-card-sample-500x500.jpg	
5	Jeffrey	895623234785	https://eaaadharcards.in/wp-content/uploads/2019/05/Aadhar-Card-PVC.jpeg	

Query: Write a query to display the shop that can accommodate the maximum number of people.

```
1 set search_path to amusment_park;
2 select * from food_shops
3 order by capacity
4 desc limit 1;
```





	Data Output	Explain	Messages	Notifications
	shop_no [PK] character varying	shop_name character varying	capacity integer	shop_location character varying
1	S03	The Veg Tickle	60	loc_01

Query: Write a query to display the food items in the range 100-400.

```

1 set search_path to amusment_park;
2 select * from food_items
3 where rate between 100 and 400;

```

Data Output	Explain	Messages	Notifications
	item_no [PK] integer 	item_name character varying 	rate numeric 
1	101	Chicken Makhani	250
2	103	Matar paneer	200
3	104	Dhokla	150
4	106	chicken with chestnuts	300
5	107	Hot and Sour Soup	400
6	109	Szechwan Chilli Chicken	380
7	110	Spring Rolls	399
8	111	Patatas bravas	350
9	112	Paella Valenciana	300
10	113	Gazpacho	299
11	116	Key lime pie	250
12	117	Tater tots	280
13	118	Cobb salad	150
14	119	Twinkies	200
15	120	Thin crust pizza	380
16	121	Mix fruit smoothie	150
17	122	Pineapple salad	120

Query: Write a query to find out the customer who filed maximum complaints of lost items.

```

1 select cust_id,cust_name,count(cust_id)
2 as no_of_complaints from lost_and_found
3 natural join customer group by cust_id,cust_name
4 order by no_of_complaints desc limit 1;

```

Data Output Explain Messages Notifications

	cust_id character varying	cust_name character varying (50)	no_of_complaints bigint	
1	110214	Prachi	5	

Query: Write a query to list the customers who have purchased souvenir items.

```

1 select * from customer
2 where cust_id in (select distinct cust_id from invoice);

```

Data Output Explain Messages Notifications

	cust_id [PK] character varying (20)	cust_name character varying (50)	gender character (1)	email character varying (50)	phone character varying	pid character varying (20)
1	110215	Nafeeza	F	naf12ba@gmail.com	9941241221	MZH2380426
2	110220	Lekha	F	cat2021@gmail.com	9429199532	985685221243
3	110222	Ruben	M	joseph67@gmail.com	8427183133	TN3420120005134
4	110226	Avi	F	avi29@gmail.com	9894634586	BNZPM2501F
5	110227	Seema	F	bist2323@gmail.com	9898764356	AN0120130003278
6	110228	Poojak	M	vag234rock@gmail.com	8756345466	ANRPM2537J
7	110229	Pruthvi	M	nagpal456@gmail.com	7845321211	GKC1134212
8	110230	Jeffrey	M	james567@gmail.com	7878912677	895623234785

Query: Write a query to list the top five souvenir items sold.

```
1 select item_code,item_name,sum(qty) as total_items_sold
2 from items natural join invoice_details group by item_code,item_name
3 order by total_items_sold desc limit 5;
```

Data Output Explain Messages Notifications

	item_code [PK] character varying	item_name character varying	total_items_sold bigint	
1	1110	Toy automobiles	40	
2	1106	Local liquor	28	
3	1102	Tshirts	24	
4	1108	Soft toys	20	
5	1104	Shot glasses	18	

Query: Write a query to select a customer who has generated the most number of invoices.




```
1 select cust_id,count(cust_id) as no_of_invoice ,cust_name
2 from invoice natural join customer group by cust_id,cust_name
3 order by no_of_invoice desc limit 1 ;
```

Data Output Explain Messages Notifications

	cust_id character varying	no_of_invoice bigint	cust_name character varying (50)	
1	110215	2	Nafeeza	

Query: Write a query to display the most expensive ride.

```
1 set search_path to amusment_park;
2 select ride_name,price
3 from ride order by price
4 desc limit 1;
```

Data Output	Explain	Messages	Notifications
 ride_name character varying 	price numeric 		
1	Condor	280	

Query: Write a query to display the rides and the revenue generated from least revenue to most revenue.

```

1  set search_path to amusment_park;
2  select ride_name,sum(no_of_tickets*price)
3  as total_revenue
4  from ride_ticket
5  natural join ride
6  group by ride_id,ride_name
7  order by total_revenue ;

```

Data Output Explain Messages Notifications

	ride_name character varying	total_revenue numeric	
1	Disko	400	
2	Breakdance	600	
3	Bumper boats	1200	
4	Drop tower	1250	
5	Caterpillar	1250	
6	Bumper cars	1500	
7	Alpine slide	1800	
8	Pendulum ride	2600	
9	Condor	3080	
10	Balloon Race	4600	

Query: Write a query to display the rides with no age and height constraints.

```

1 set search_path to amusment_park;
2 select ride_id, ride_name from ride
3 where min_height
4 is NULL and min_age is NULL;

```

Data Output	Explain	Messages	Notifications
	ride_id [PK] character varying	ride_name character varying	
1	111	Merry Go Round	

Query: Write a query to display the ride having the most capacity.

```

1 set search_path to amusment_park;
2 select ride_id, ride_name, capacity
3 from ride order by capacity
4 desc limit 1;

```

Data Output	Explain	Messages	Notifications
	ride_id [PK] character varying	ride_name character varying	capacity integer
1	111	Merry Go Round	30

Query: Write a query to display the salaried employee with the highest salary.

```

1 select emp_name,salary,post from salaried_employee
2 natural join employee order by salary desc limit 1;

```

Data Output	Explain	Messages	Notifications
<div>emp_name</div> <div>character varying (50)</div>	<div>salary</div> <div>integer</div>	<div>post</div> <div>character varying</div>	
1 Abbey Norman	110000	manager	

Query: Write a query to display the count of female managers.

```

1 select count(*) as no_of_female_managers
2 from salaried_employee natural join employee
3 where post='manager' and gender='F' ;

```

Query Editor	Query History	Messages
Data Output	Explain	Notifications
<div>no_of_female_managers</div> <div>bigint</div>		
1	2	

Query: Write a query to display the name and phone number of the employees who have performed more than once.

1	select	emp_name,phone	
2	from	employee where emp_id in	
3	(select	emp_id from perfoms_at group by emp_id having count(emp_id)>1) ;	

Query Editor
Query History
Messages

Data Output
Explain
Notifications

	emp_name character varying (50)	phone character varying	
1	Anya Cummings	9558144454	
2	Lilah Sandoval	9558456454	
3	Barbara Acevedo	9125144454	
4	Rodolfo Harrison	9558144455	

Query: Write a query to display those contractual employees whose contracts are ending this month.

1	set	search_path to amusment_park;	
2	SELECT	* from contractual_employee	
3	where	date_part('month',end_date)=date_part('month',CURRENT_DATE)	
4	and	date_part('year',end_date)=date_part('year',CURRENT_DATE);	

Data Output
Explain
Messages
Notifications

	emp_id character varying	start_date date	end_date date	total_contract_wages integer	profession character varying	
1	empy9409Wc517	2020-06-01	2021-11-30	50000	dancer	
2	emp4yo4pf0c56	2020-06-01	2021-11-30	50000	dancer	

Query: Write a query to display the total number of event tickets sold.

```

1 set search_path to amusment_park;
2 select sum(no_of_seats) as total_tickets_sold from event_tickets;

```

Data Output Explain Messages Notifications

	total_tickets_sold bigint	
1	153	

Query: Write a query to display the event whose duration is the longest.

```

1 set search_path to amusment_park;
2 select event_name,duration
3 from events order by duration
4 desc limit 1 ;

```

Data Output Explain Messages Notifications

	event_name character varying (20)	duration numeric	
1	karaoke	60	

Query: Write a query to display the total revenue generated by all events.

```

1 set search_path to amusment_park;
2 select sum(no_of_seats*rate) as ticket_price
3 from event_tickets;

```

Data Output Explain Messages Notifications

	ticket_price bigint	
1	73915	

Query: Write a query to display the event with most performers.

```

1  set search_path to amusment_park;
2  select event_name,count(event_id) as no_of_performers
3  from events natural join performs_at natural join contractual_employee
4  group by event_id order by no_of_performers
5  desc limit 1 ;

```

Data Output Explain Messages Notifications

	event_name character varying (20)	no_of_performers bigint	
1	musical show	4	

Functional dependency and normalization

Table : photoidproof (In BCNF)

photoid_number , id_type, image_link

photoid_number \rightarrow id_type

photoid_number \rightarrow image_link

Candidate_key \rightarrow photoid_number

primary_key \rightarrow photoid_number

Table : customer(In BCNF)

cust_id, cust_name , gender, email, phone

cust_id \rightarrow gender

cust_id \rightarrow cust_name

cust_id \rightarrow email

Cust_id \rightarrow phone

Candidate_key \rightarrow cust_id

primary_key \rightarrow cust_id

Table : employee(In BCNF)

emp_id, emp_name , gender char, email, phone

emp_id \rightarrow gender

emp_id \rightarrow cust_name

emp_id \rightarrow email

emp_id \rightarrow phone

Candidate_key \rightarrow emp_id

primary_key \rightarrow emp_id

Table : location(In BCNF)

location_id, latitude, longitude, location_description

location_id → latitude
location_id → longitude
location_id → location_description
latitude, longitude → location_description

Candidate_key → location_id
primary_key → location_id

Table : food_shop(In BCNF)

shop_no , shop_name, capacity,

shop_no → shop_name
shop_no → capacity

Candidate_key → shop_no
primary_key → shop_no

Table : food_items(In BCNF)

item_no , item_name, rate

item_no → item_name
item_no → rate

Candidate_key → item_no
primary_key → item_no

Table : events(In BCNF)

event_id, event_name ,event_date ,capacity ,event_time,duration

event_id → event_name
event_id → event_date
event_id → capacity
event_id → event_time
event_id → duration

Candidate_key → event_id

primary_key → event_id

Table : event_tickets(In BCNF)

tno, no_of_seats, rate

tno → no_of_seats

tno → rate

Candidate_key → tno

primary_key → tno

Table : rides(In BCNF)

ride_id, capacity, ride_name, price, min_height, min_age

ride_id → capacity

ride_id → ride_name

ride_id → price

ride_id → min_height

ride_id → min_age

Candidate_key → ride_id

primary_key → ride_id

Table : ride_ticket(In BCNF)

tno, ride_date, ride_time, ride_name, price, min_height, min_age

ride_id → capacity

ride_id → ride_name

ride_id → price

ride_id → min_height

ride_id → min_age

Candidate_key → ride_id

primary_key → ride_id

Table : items(In BCNF)

item_code , item_name, rate numeric

item_code → item_name

Item_code → rate

item_code → numeric

Candidate_key → item_code

primary_key → item_code

Table : invoice(In BCNF)

invoice_number→ ,purchase_date , purchase_time

invoice_number→ purchase_date

invoice_number→ → purchase_time

Candidate_key → invoice_number

primary_key → invoice_number

Table : break_down_records(In BCNF)

br_id, reporting_date, reporting_time

br_id→ reporting_date

br_id→ reporting_time

Candidate_key → br_id

primary_key → br_id

Table : maintaine_ticket(In BCNF)

ticket_number, cost, contact_number, M_date

ticket_number → cost

ticket_number → contact_number

ticket_number → M_date

Candidate_key → ticket_number

primary_key → ticket_number

Table : lost_and_found(In BCNF)

complaint_id, item_name, item_desc,

complaint_id \rightarrow item_name

complaint_id \rightarrow item_desc

Candidate_key \rightarrow complaint_id

primary_key \rightarrow complaint_id

Table : department(In BCNF)

dept_id dept_name

dept_id \rightarrow dept_name

complaint_id \rightarrow item_desc

Candidate_key \rightarrow dept_id

primary_key \rightarrow dept_id

The diagram is a complex Entity-Relationship (ER) model for a system. It features the following entities and their attributes:

- Breakdown records**: reporting_date, reporting_time
- Maintenance tickets**: cost, contact_no, date
- Souvenir**: item_code, item_name, rate
- Event tickets**: rate, date_time, no_of_seats
- Ride**: capacity, ride_name, price, min_height, min_age
- Customers**: cust_name, cust_id, gender, phone, dob, ssn, employee_name, email, phone, dob
- Employees**: employee_name, email, phone, dob
- Food Items**: item_name, rate
- Food Shops**: shop_name, capacity
- Food Order**: qty
- Department**: (No attributes listed)
- Lost and Found**: item_desc, item_name
- Photo proof Id**: id_type, photo_id_no, image
- Events**: duration, date, time, capacity, event_name
- Location**: loc_name, latitude, longitude, desc

Key relationships and cardinalities include:

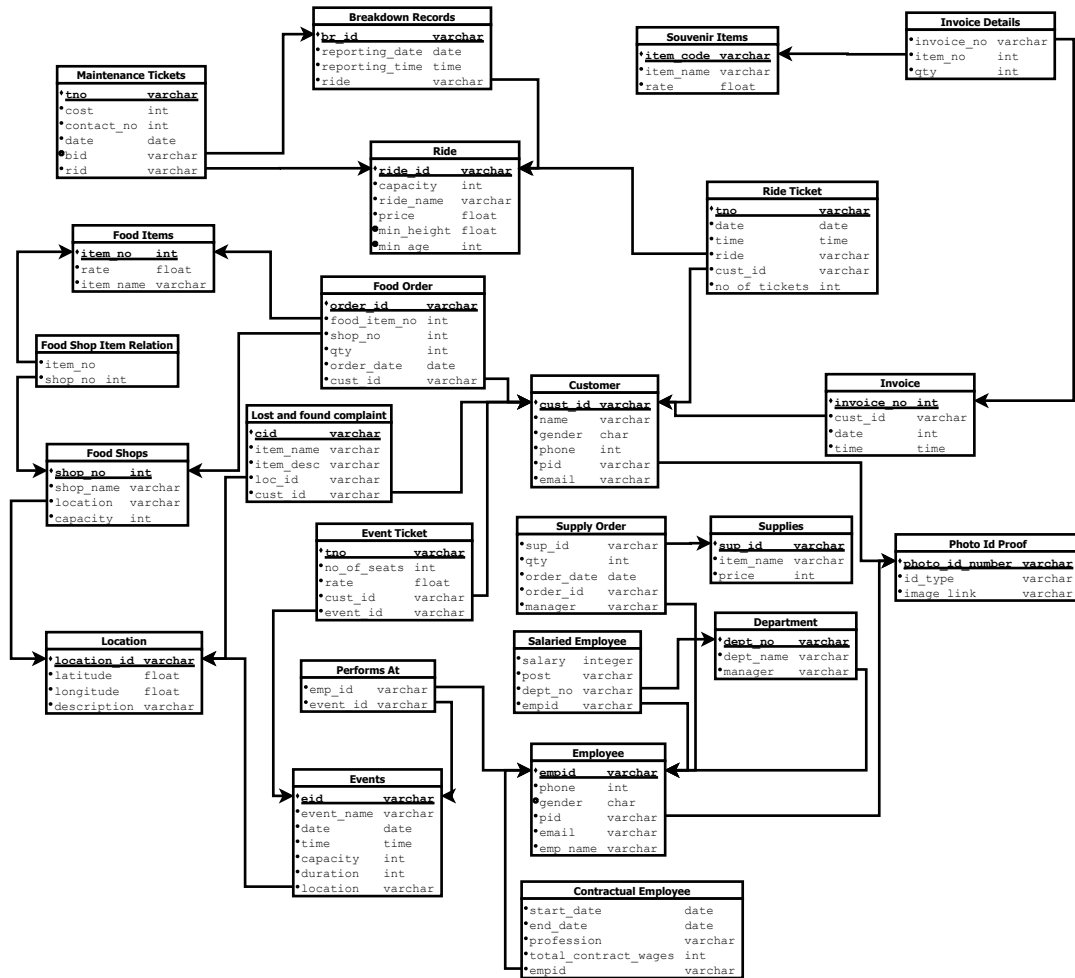
- Breakdown records** (1) **has** (N) **Maintenance tickets**
- Breakdown records** (1) **has** (1) **Ride**
- Maintenance tickets** (N) **has** (1) **Souvenir**
- Souvenir** (N) **has** (1) **Invoice**
- Event tickets** (N) **has** (N) **Can register**
- Event tickets** (N) **has** (M) **Events**
- Ride** (1) **has** (N) **ride_tickets**
- Ride** (1) **buys** (1) **Customers**
- Customers** (1) **buys** (1) **Photo proof Id**
- Customers** (1) **has** (1) **Employee**
- Customers** (1) **has** (1) **Food Order**
- Food Items** (N) **has** (M) **Food Shops**
- Food Items** (N) **has** (N) **Food Order**
- Food Shops** (1) **has** (1) **Food Order**
- Food Order** (1) **has** (N) **Department**
- Employee** (N) **works For** (1) **Department**
- Employee** (N) **Orders** (M) **Supplies**
- Employee** (N) **has** (N) **Events**
- Employee** (N) **has** (N) **Performes at**
- Events** (N) **Have** (N) **Location**
- Events** (M) **Performes at** (N) **Location**
- Location** (1) **has** (N) **Events**
- Location** (1) **has** (N) **Performes at**
- Location** (1) **has** (N) **Events**
- Location** (1) **has** (N) **Performes at**

```

    erDiagram
        Employee ||--o{ Photo Id : Has
        Employee }o--o{ Supplies : Orders
        Employee }o--o{ Department : Works For
        Employee ||--o{ Department : Manages
        Employee ||--o{ Salaried Employees : "d"
        Employee ||--o{ Contractual Employees : "c"
        Contractual Employees }o--o{ Events : Performs At

        Employee {
            string employees_name
            string email
            string phone
            string dob
            string ssn
        }
        Photo Id {
            string photo_id
        }
        Supplies {
            string supplies_id
        }
        Department {
            string department_id
        }
        Salaried Employees {
            string salary
            string post
        }
        Contractual Employees {
            string end_date
            string start_date
            string role
            string total_contract_wages
        }
        Events {
            string events_id
        }
  
```

Relational Schema Diagram



Group-31

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