

DDL Statements

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create table client_info(  
    client_id int,  
    client_first_name varchar(50),  
    client_last_name varchar(50),  
    client_city varchar(50),  
    client_country varchar(50),  
    client_Dob date);  
select * from client_info;  
alter table client_info add constraint pk primary key(client_id);  
  
create table phone_numbers(  
    client_id int,  
    client_phone_number numeric);  
alter table phone_numbers add constraint pkphonenumber primary  
key(client_id,client_phone_number);  
alter table phone_numbers add constraint fk foreign key(client_id)  
references client_info on delete cascade on update cascade;  
  
create table owner(  
    owner_id varchar(10),  
    owner_first_name varchar(20),  
    owner_last_name varchar(10),  
    licence_no varchar(10),  
    owner_dob date);  
  
select * from owner;  
alter table owner add constraint pkowner primary key(owner_id);  
  
create table boat(  
    boat_number varchar(20),  
    boat_capacity int,  
    owner_id varchar(10),  
    service_type varchar(10));  
alter table boat add constraint pk2 primary key(boat_number);  
alter table boat add constraint boatfk foreign key(owner_id) references  
owner on delete cascade on update cascade;  
alter table boat add constraint boatfk1 foreign key(service_type)  
references services on delete cascade on update cascade;  
  
create table services(  
    service_type varchar(10),  
    wifi_bandwidth varchar(10),  
    bar varchar(10),
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        cuisine varchar(10),
        rate numeric);
alter table services add constraint pkservice_type primary
key(service_type);

create table route(
    route_id varchar(10),
    source varchar(20),
    destination varchar(20));
alter table route add constraint routepk primary key(route_id);

create table sightseeing_spots(
    route_id int,
    spot varchar(20));
alter table route add constraint routefk foreign key(route_id)
references route on delete cascade on update cascade;

create table booking_info(
    client_id int,
    boat_number varchar(20),
    from_date date,
    to_date date,
    route_id varchar(10),
    payment_amount numeric,
    payment_type varchar(20),
    payment_status varchar(10));
alter table booking_info add constraint pk3 primary
key(client_id,boat_number,from_date);
alter table booking_info add constraint fk1 foreign key(client_id)
references client_info on delete cascade on update cascade;
alter table booking_info add constraint fk2 foreign key(boat_number)
references boat on delete cascade on update cascade;
alter table booking_info add constraint fkbooking_info foreign
key(route_id) references route on delete cascade on update cascade;

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