```sql
-- "casa dell'energia".stations definition

-- Drop table

-- DROP TABLE "casa dell'energia".stations;

CREATE TABLE "casa dell'energia".stations (
	stations_id bigserial NOT NULL,
	"data" jsonb NOT NULL,
	CONSTRAINT stations_id PRIMARY KEY (stations_id)
);


-- "casa dell'energia".resources definition

-- Drop table

-- DROP TABLE "casa dell'energia".resources;

CREATE TABLE "casa dell'energia".resources (
	resources_id bigserial NOT NULL,
	stations_id int4 NOT NULL,
	"model_Resoureces_id" int4 NOT NULL,
	"data" jsonb NOT NULL,
	CONSTRAINT resources_id PRIMARY KEY (resources_id),
	CONSTRAINT resources_fk FOREIGN KEY ("model_Resoureces_id") REFERENCES
"casa dell'energia".model_resources(model_resources_id),
	CONSTRAINT resources_fk_1 FOREIGN KEY (stations_id) REFERENCES "casa
dell'energia".stations(stations_id) ON DELETE SET NULL
);


-- "casa dell'energia".rent definition

-- Drop table

-- DROP TABLE "casa dell'energia".rent;

CREATE TABLE "casa dell'energia".rent (
	rent_id bigserial NOT NULL,
	departure_station_id int4 NOT NULL,
	arrival_station_id int4 NULL,
	"data" jsonb NOT NULL,
	departure_date_and_time int8 NOT NULL,
	arrival_date_and_time int8 NULL,
	resources_id int8 NOT NULL,
	user_id int8 NULL,
	CONSTRAINT rent_id PRIMARY KEY (rent_id, resources_id),
	CONSTRAINT rent_fk FOREIGN KEY (departure_station_id) REFERENCES "casa
dell'energia".stations(stations_id),
	CONSTRAINT rent_fk_1 FOREIGN KEY (arrival_station_id) REFERENCES "casa
dell'energia".stations(stations_id) ON DELETE SET NULL,
	CONSTRAINT rent_resources_id_fkey FOREIGN KEY (resources_id) REFERENCES
"casa dell'energia".resources(resources_id)
);
```

```sql
CREATE OR REPLACE FUNCTION "casa
dell'energia".create_model_resources(model_resources_data text)
 RETURNS void
 LANGUAGE sql
AS $function$
        insert into model_resources (model_resources_id ,data)
        values ( default,model_resources_data::JSONB)
$function$
;

CREATE OR REPLACE FUNCTION "casa
dell'energia".create_rent(fk_departure_station integer, fk_resources bigint,
p_departure_date_and_time bigint, fk_arrival_station integer,
p_arrival_date_and_time bigint, rent_data text)
 RETURNS void
 LANGUAGE sql
AS $function$
        insert into rent(rent_id ,departure_station_id ,
        resources_id,departure_date_and_time ,arrival_station_id
,arrival_date_and_time ,data)
        values
(default,fk_departure_station,fk_resources,P_departure_date_and_time,
                fk_arrival_station,P_arrival_date_and_time,
rent_data::JSONB)
$function$
;

CREATE OR REPLACE FUNCTION "casa dell'energia".create_resources(fk_stations
integer, fk_model_resources bigint, resources_data text)
 RETURNS void
 LANGUAGE sql
AS $function$
        insert into resources (resources_id ,stations_id
,"model_Resoureces_id" ,data)
        values (
default,fk_stations,fk_model_resources,resources_data::JSONB)
$function$
;

CREATE OR REPLACE FUNCTION "casa dell'energia".create_station(station_data
text)
 RETURNS void
 LANGUAGE sql
AS $function$
        insert into stations(stations_id, data)
        values (default, station_data::JSONB)
$function$
;

CREATE OR REPLACE FUNCTION "casa
dell'energia".delete_model_resources(p_model_resources_id bigint)
 RETURNS void
 LANGUAGE sql
AS $function$
                delete from model_resources
                 where model_resources_id = p_model_resources_id
```

```sql
$function$
;

CREATE OR REPLACE FUNCTION "casa dell'energia".delete_rent(p_rent_id bigint)
 RETURNS void
 LANGUAGE sql
AS $function$
                delete from rent
                 where rent_id = P_rent_id
$function$
;

CREATE OR REPLACE FUNCTION "casa
dell'energia".delete_resources(p_resources_id bigint)
 RETURNS void
 LANGUAGE sql
AS $function$
                delete from resources
                 where resources_id = P_Resources_id
$function$
;

CREATE OR REPLACE FUNCTION "casa dell'energia".delete_station(p_stations_id
bigint)
 RETURNS void
 LANGUAGE sql
AS $function$
                delete from stations
                 where stations_id = P_stations_id
$function$
;

CREATE OR REPLACE FUNCTION "casa
dell'energia".get_model_resources_data(p_model_resources_id bigint)
 RETURNS TABLE(p_model_resources_id bigint, data jsonb)
 LANGUAGE sql
AS $function$
        select model_resources_id ,data from model_resources
        where model_resources_id =P_model_resources_id
$function$
;

CREATE OR REPLACE FUNCTION "casa dell'energia".get_rent_data(p_rent_id
bigint)
 RETURNS TABLE(p_rent_id bigint, data jsonb)
 LANGUAGE sql
AS $function$
        select rent_id ,data from rent
        where rent_id =P_rent_id
$function$
;

CREATE OR REPLACE FUNCTION "casa
dell'energia".get_resources_data(p_resources_id bigint)
 RETURNS TABLE(p_resources_id bigint, stations_id bigint, model_resoureces_id
bigint, data jsonb)
 LANGUAGE sql
```

```sql
AS $function$
        select resources_id ,stations_id ,"model_Resoureces_id" ,data from
resources
        where resources_id =P_Resources_id
$function$
;

CREATE OR REPLACE FUNCTION "casa dell'energia".get_station_data(p_station_id
bigint)
 RETURNS TABLE(p_station_id bigint, data jsonb)
 LANGUAGE sql
AS $function$
        select stations_id ,data from stations
        where stations_id =P_station_id
$function$
;

CREATE OR REPLACE FUNCTION "casa
dell'energia".update_model_resources_data(p_model_resourcces_id bigint,
p_modelresources_data text)
 RETURNS void
 LANGUAGE sql
AS $function$
                update model_resources set data =
p_modelresources_data::JSONB
                where model_resources_id = P_model_resourcces_id
$function$
;

CREATE OR REPLACE FUNCTION "casa
dell'energia".update_rent_arrival_date_time_and_station(p_rent_id bigint,
p_arrival_date_and_time bigint, p_arrival_station integer)
 RETURNS void
 LANGUAGE sql
AS $function$
                update rent set arrival_date_and_time
=p_arrival_date_and_time,
                arrival_station_id =P_arrival_station
                where rent_id = p_rent_id
$function$
;

CREATE OR REPLACE FUNCTION "casa dell'energia".update_rent_data(p_rent_id
bigint, p_rent_data text)
 RETURNS void
 LANGUAGE sql
AS $function$
                update rent set data = p_rent_data::JSONB
                where rent_id = p_rent_id
$function$
;

CREATE OR REPLACE FUNCTION "casa
dell'energia".update_resources_data(p_resources_id bigint, p_resources_data
text)
 RETURNS void
 LANGUAGE sql
```

```sql
AS $function$
                update resources set data = p_resources_data::JSONB
                where resources_id = P_resources_id
$function$
;

CREATE OR REPLACE FUNCTION "casa
dell'energia".update_resources_model_resources(p_resources_id bigint,
fk_model_resources bigint)
 RETURNS void
 LANGUAGE sql
AS $function$
                update resources set "model_Resoureces_id" =
fk_model_resources
                where resources_id = P_resources_id
$function$
;

CREATE OR REPLACE FUNCTION "casa
dell'energia".update_resources_station(p_resources_id bigint, fkstations
bigint)
 RETURNS void
 LANGUAGE sql
AS $function$
                update resources set stations_id = fkstations
                where resources_id = P_resources_id
$function$
;

CREATE OR REPLACE FUNCTION "casa
dell'energia".update_station_data(p_stations_id bigint, p_station_data text)
 RETURNS void
 LANGUAGE sql
AS $function$
                update stations set data = p_station_data::JSONB
                where stations_id = P_stations_id
$function$
;
```