Лабораторная работа №3

Создание таблиц базы данных PostgreSQL. Заполнение таблиц рабочими данными

Цель работы: овладеть практическими навыками создания таблиц базы данных PostgreSQL 1X, заполнения их рабочими данными, резервного копирования и восстановления БД.

Программное обеспечение: СУБД PostgreSQL 1X, pgAdmin 4.

Практическое задание:

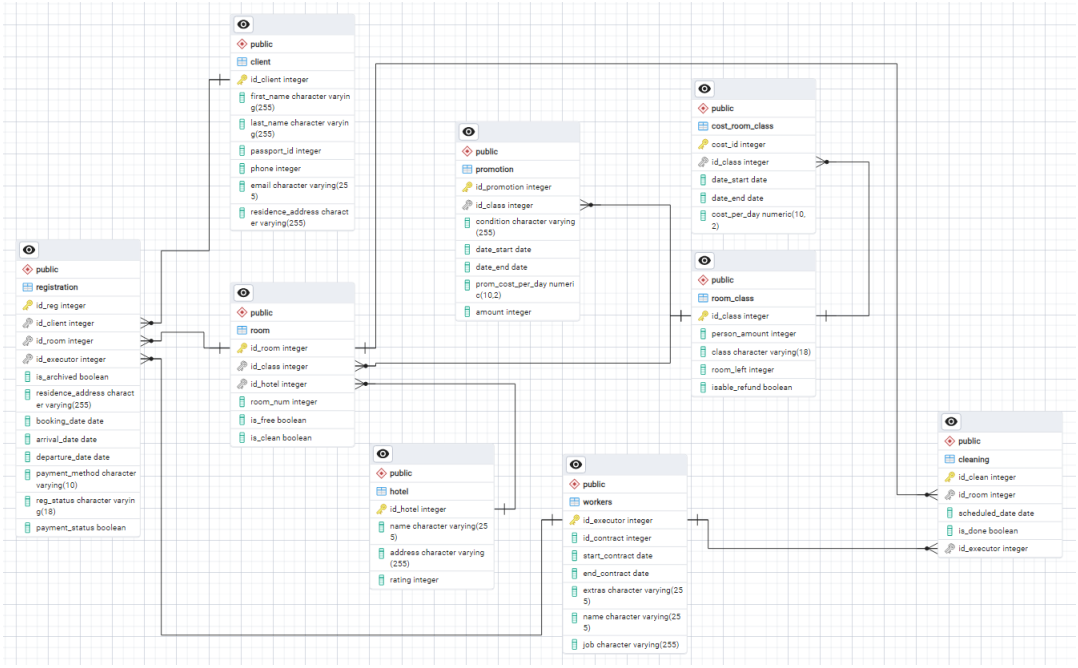
1. Создать базу данных с использованием pgAdmin 4;
2. Создать схему в составе базы данных;
3. Создать таблицы базы данных
4. Установить ограничения на данные: Primary Key, Unique, Check, Foreign Key
5. Заполнить таблицы БД рабочими данными
6. Создать резервную копию БД
   - С расширением CUSTOM для восстановления БД;
   - С расширением PLAIN для листинга (в отчете);
   - При создании резервных копий БД настроить параметры Dump options для Type of objects и Queries.
7. Восстановить БД

Выполнение заданий

1. Создание базы данных с использованием pgAdmin 4

База данных "Отель" была создана в pgAdmin 4 на основе БД из лабораторной работы №2

2. Создание схемы в составе базы данных



3. Создание таблиц базы данных

Таблицы базы данных были созданы по следующему запросу, с учетом всех ограничений, указанных в п.4:

```sql
-- Создание таблицы hotel
CREATE TABLE IF NOT EXISTS hotel (
    ID_hotel SERIAL PRIMARY KEY,
    name VARCHAR(255) NOT NULL,
    address VARCHAR(255) NOT NULL,
    rating INTEGER NOT NULL
);

-- Создание таблицы room_class
CREATE TABLE IF NOT EXISTS room_class (
    ID_class SERIAL PRIMARY KEY,
    person_amount INTEGER NOT NULL CHECK (person_amount > 0),
    class VARCHAR(18) NOT NULL,
```

```
    room_left INTEGER NOT NULL CHECK (room_left >= 0),
    isable_refund BOOLEAN NOT NULL
);

-- Создание таблицы room
CREATE TABLE IF NOT EXISTS room (
    ID_room SERIAL PRIMARY KEY,
    ID_hotel INTEGER NOT NULL REFERENCES hotel(ID_hotel),
    ID_class INTEGER NOT NULL REFERENCES room_class(ID_class),
    room_num INTEGER NOT NULL CHECK (room_num > 0),
    is_free BOOLEAN NOT NULL,
    is_clean BOOLEAN NOT NULL
);

-- Создание таблицы workers
CREATE TABLE IF NOT EXISTS workers (
    ID_executor SERIAL PRIMARY KEY,
    ID_contract INTEGER NOT NULL,
    start_contract DATE NOT NULL,
    end_contract DATE NOT NULL CHECK (end_contract > start_contract)
    ,
    extras VARCHAR(255),
    name VARCHAR(255) NOT NULL,
    job VARCHAR(255) NOT NULL
);

-- Создание таблицы cleaning
CREATE TABLE IF NOT EXISTS cleaning (
    ID_clean SERIAL PRIMARY KEY,
    ID_room INTEGER NOT NULL REFERENCES room(ID_room),
    scheduled_date DATE NOT NULL,
    is_done BOOLEAN NOT NULL,
    ID_executor INTEGER NOT NULL REFERENCES workers(ID_executor)
);

-- Создание таблицы Client
CREATE TABLE IF NOT EXISTS Client (
    ID_Client SERIAL PRIMARY KEY,
    First_Name VARCHAR(255) NOT NULL,
    Last_Name VARCHAR(255) NOT NULL,
    Passport_id INTEGER NOT NULL,
    phone INTEGER NOT NULL,
    email VARCHAR(255) NOT NULL CHECK (email LIKE '%@%.%'),
    residence_address VARCHAR(255) NOT NULL
);

```

```sql
-- Создание таблицы registration
CREATE TABLE IF NOT EXISTS registration (
    ID_reg SERIAL PRIMARY KEY,
    ID_Client INTEGER NOT NULL REFERENCES Client(ID_Client),
    ID_room INTEGER NOT NULL REFERENCES room(ID_room),
    ID_executor INTEGER NOT NULL REFERENCES workers(ID_executor),
    is_archived BOOLEAN NOT NULL,
    residence_address VARCHAR(255) NOT NULL,
    booking_date DATE NOT NULL CHECK (booking_date < arrival_date),
    arrival_date DATE NOT NULL CHECK (arrival_date < departure_date),
    departure_date DATE NOT NULL,
    payment_method VARCHAR(10) NOT NULL CHECK (payment_method IN ('card', 'cash')),
    reg_status VARCHAR(18) NOT NULL CHECK (reg_status IN ('заселен', 'выселен', 'забронирован', 'отменен', 'опоздание')),
    payment_status BOOLEAN NOT NULL
);

-- Создание таблицы cost_room_class
CREATE TABLE IF NOT EXISTS cost_room_class (
    cost_id SERIAL PRIMARY KEY,
    date_start DATE NOT NULL CHECK (date_start < date_end),
    date_end DATE NOT NULL,
    cost_per_day DECIMAL(10, 2) NOT NULL CHECK (cost_per_day > 0),
    ID_class INTEGER NOT NULL REFERENCES room_class(ID_class)
);

-- Создание таблицы promotion
CREATE TABLE IF NOT EXISTS promotion (
    ID_promotion SERIAL PRIMARY KEY,
    ID_class INTEGER NOT NULL REFERENCES room_class(ID_class),
    condition VARCHAR(255) NOT NULL,
    date_start DATE NOT NULL CHECK (date_start < date_end),
    date_end DATE NOT NULL,
    prom_cost_per_day DECIMAL(10, 2) NOT NULL,
    amount INTEGER CHECK (amount > 0 AND amount < 100)
);
```

5. Заполнение таблиц БД рабочими данными

Таблицы БД "Отель" были заполнены в соответствии с запросом:

```sql
    -- Вставка данных в таблицу hotel
INSERT INTO public.hotel (name, address, rating) VALUES
('Hotel Sunrise', '123 Sunny Street', 5),
('Hotel Moonlight', '456 Moon Street', 4),
('Hotel Starlight', '789 Star Road', 3);
```

```
6
7  -- Вставка данных в таблицу room_class
8  INSERT INTO public.room_class (person_amount, class, room_left,
       isable_refund) VALUES
9  (2, 'Economy', 10, true),
10 (2, 'Deluxe', 5, false),
11 (4, 'Family', 3, true);
12
13 -- Вставка данных в таблицу workers
14 INSERT INTO public.workers (id_contract, start_contract,
       end_contract, extras, name, job) VALUES
15 (123, '2024-01-01', '2024-12-31', 'Experienced in international
       cuisine', 'John Doe', 'Chef'),
16 (124, '2024-02-01', '2024-11-30', 'Expert in housekeeping', 'Jane
       Smith', 'Housekeeper');
17
18 -- Вставка данных в таблицу client
19 INSERT INTO public.client (first_name, last_name, passport_id, phone
       , email, residence_address) VALUES
20 ('Alex', 'Johnson', 12345678, 9876543210, 'alex.johnson@email.com',
       '123 Main St'),
21 ('Emma', 'Williams', 87654321, 1234567890, 'emma.williams@email.com'
       , '456 Elm St');
22
23 -- Вставка данных в таблицу room
24 INSERT INTO public.room (id_hotel, id_class, room_num, is_free,
       is_clean) VALUES
25 (1, 1, 101, true, true),
26 (1, 2, 102, false, true),
27 (2, 3, 201, true, false);
28
29 -- Вставка данных в таблицу cleaning
30 INSERT INTO public.cleaning (id_room, scheduled_date, is_done,
       id_executor) VALUES
31 (1, '2024-01-18', false, 1),
32 (2, '2024-01-19', true, 2);
33
34 -- Вставка данных в таблицу registration
35 INSERT INTO public.registration (id_client, id_room, id_executor,
       is_archived, residence_address, booking_date, arrival_date,
       departure_date, payment_method, reg_status, payment_status)
       VALUES
36 (1, 1, 1, false, '123 Main St', '2024-01-10', '2024-01-15', '
       2024-01-20', 'card', 'заселен', true),
37 (2, 2, 2, false, '456 Elm St', '2024-02-10', '2024-02-15', '
       2024-02-20', 'cash', 'забронирован', false);
```

```
38
39 -- Вставка данных в таблицу cost_room_class
40 INSERT INTO public.cost_room_class (date_start, date_end,
       cost_per_day, id_class) VALUES
41 ('2024-01-01', '2024-06-30', 50.00, 1),
42 ('2024-07-01', '2024-12-31', 55.00, 2);
43
44 -- Вставка данных в таблицу promotion
45 INSERT INTO public.promotion (id_class, condition, date_start,
       date_end, prom_cost_per_day, amount) VALUES
46 (1, 'Summer Discount', '2024-06-01', '2024-08-31', 45.00, 10),
47 (2, 'Winter Special', '2024-12-01', '2024-12-31', 40.00, 20);
```

6. Создание резервной копии БД с расширениями PLAIN и CUSTOM

Резервные копии были созданы в соответствии с условиями лабораторной работы. Листинг расширения PLAIN представлен в пункте 8

7. Восстановление базы данных из резервной копии

База данных "Отель" была успешно восстановлена из резервной копии с расширением PLAIN на новом сервере

8. Листинг резервной копии с расширением PLAIN

Листинг резервной копии БД "Отель" с расширением PLAIN из файла PlainLab3.sql в текстовом формате:

```
1      --
2  -- PostgreSQL database dump
3  --
4
5  -- Dumped from database version 16.1
6  -- Dumped by pg_dump version 16.0
7
8  -- Started on 2024-01-18 02:12:12
9
10 SET statement_timeout = 0;
11 SET lock_timeout = 0;
12 SET idle_in_transaction_session_timeout = 0;
13 SET client_encoding = 'UTF8';
14 SET standard_conforming_strings = on;
15 SELECT pg_catalog.set_config('search_path', '', false);
16 SET check_function_bodies = false;
17 SET xmloption = content;
18 SET client_min_messages = warning;
19 SET row_security = off;
20
21 --
22 -- TOC entry 2 (class 3079 OID 16384)
```

```
-- Name: adminpack; Type: EXTENSION; Schema: -; Owner: -
--

CREATE EXTENSION IF NOT EXISTS adminpack WITH SCHEMA pg_catalog;


--
-- TOC entry 4944 (class 0 OID 0)
-- Dependencies: 2
-- Name: EXTENSION adminpack; Type: COMMENT; Schema: -; Owner:
--

COMMENT ON EXTENSION adminpack IS 'administrative functions for
    PostgreSQL';


SET default_tablespace = '';

SET default_table_access_method = heap;

--
-- TOC entry 225 (class 1259 OID 16487)
-- Name: cleaning; Type: TABLE; Schema: public; Owner: postgres
--

CREATE TABLE public.cleaning (
    id_clean integer NOT NULL,
    id_room integer NOT NULL,
    scheduled_date date NOT NULL,
    is_done boolean NOT NULL,
    id_executor integer NOT NULL
);


ALTER TABLE public.cleaning OWNER TO postgres;

--
-- TOC entry 224 (class 1259 OID 16486)
-- Name: cleaning_id_clean_seq; Type: SEQUENCE; Schema: public;
    Owner: postgres
--

CREATE SEQUENCE public.cleaning_id_clean_seq
    AS integer
    START WITH 1
    INCREMENT BY 1
```

```
    NO MINVALUE
    NO MAXVALUE
    CACHE 1;


ALTER SEQUENCE public.cleaning_id_clean_seq OWNER TO postgres;

--
-- TOC entry 4945 (class 0 OID 0)
-- Dependencies: 224
-- Name: cleaning_id_clean_seq; Type: SEQUENCE OWNED BY; Schema: public; Owner: postgres
--

ALTER SEQUENCE public.cleaning_id_clean_seq OWNED BY public.cleaning.id_clean;


--
-- TOC entry 227 (class 1259 OID 16504)
-- Name: client; Type: TABLE; Schema: public; Owner: postgres
--

CREATE TABLE public.client (
    id_client integer NOT NULL,
    first_name character varying(255) NOT NULL,
    last_name character varying(255) NOT NULL,
    passport_id bigint NOT NULL,
    phone bigint NOT NULL,
    email character varying(255) NOT NULL,
    residence_address character varying(255) NOT NULL,
    CONSTRAINT client_email_check CHECK (((email)::text ~~ '%@%.%'::text))
);


ALTER TABLE public.client OWNER TO postgres;

--
-- TOC entry 226 (class 1259 OID 16503)
-- Name: client_id_client_seq; Type: SEQUENCE; Schema: public; Owner: postgres
--

CREATE SEQUENCE public.client_id_client_seq
    AS integer
```

```
    START WITH 1
    INCREMENT BY 1
    NO MINVALUE
    NO MAXVALUE
    CACHE 1;


ALTER SEQUENCE public.client_id_client_seq OWNER TO postgres;

--
-- TOC entry 4946 (class 0 OID 0)
-- Dependencies: 226
-- Name: client_id_client_seq; Type: SEQUENCE OWNED BY; Schema: public; Owner: postgres
--

ALTER SEQUENCE public.client_id_client_seq OWNED BY public.client.id_client;


--
-- TOC entry 231 (class 1259 OID 16540)
-- Name: cost_room_class; Type: TABLE; Schema: public; Owner: postgres
--

CREATE TABLE public.cost_room_class (
    cost_id integer NOT NULL,
    date_start date NOT NULL,
    date_end date NOT NULL,
    cost_per_day numeric(10,2) NOT NULL,
    id_class integer NOT NULL,
    CONSTRAINT cost_room_class_check CHECK ((date_start < date_end)),
    CONSTRAINT cost_room_class_cost_per_day_check CHECK ((cost_per_day > (0)::numeric))
);


ALTER TABLE public.cost_room_class OWNER TO postgres;

--
-- TOC entry 230 (class 1259 OID 16539)
-- Name: cost_room_class_cost_id_seq; Type: SEQUENCE; Schema: public; Owner: postgres
--
```

```
149
150 CREATE SEQUENCE public.cost_room_class_cost_id_seq
151     AS integer
152     START WITH 1
153     INCREMENT BY 1
154     NO MINVALUE
155     NO MAXVALUE
156     CACHE 1;
157
158
159 ALTER SEQUENCE public.cost_room_class_cost_id_seq OWNER TO postgres;
160
161 --
162 -- TOC entry 4947 (class 0 OID 0)
163 -- Dependencies: 230
164 -- Name: cost_room_class_cost_id_seq; Type: SEQUENCE OWNED BY;
    Schema: public; Owner: postgres
165 --
166
167 ALTER SEQUENCE public.cost_room_class_cost_id_seq OWNED BY public.
    cost_room_class.cost_id;
168
169
170 --
171 -- TOC entry 217 (class 1259 OID 16441)
172 -- Name: hotel; Type: TABLE; Schema: public; Owner: postgres
173 --
174
175 CREATE TABLE public.hotel (
176     id_hotel integer NOT NULL,
177     name character varying(255) NOT NULL,
178     address character varying(255) NOT NULL,
179     rating integer NOT NULL
180 );
181
182
183 ALTER TABLE public.hotel OWNER TO postgres;
184
185 --
186 -- TOC entry 216 (class 1259 OID 16440)
187 -- Name: hotel_id_hotel_seq; Type: SEQUENCE; Schema: public; Owner:
    postgres
188 --
189
190 CREATE SEQUENCE public.hotel_id_hotel_seq
191     AS integer
```

```
    START WITH 1
    INCREMENT BY 1
    NO MINVALUE
    NO MAXVALUE
    CACHE 1;


ALTER SEQUENCE public.hotel_id_hotel_seq OWNER TO postgres;

--
-- TOC entry 4948 (class 0 OID 0)
-- Dependencies: 216
-- Name: hotel_id_hotel_seq; Type: SEQUENCE OWNED BY; Schema: public
   ; Owner: postgres
--

ALTER SEQUENCE public.hotel_id_hotel_seq OWNED BY public.hotel.
   id_hotel;


--
-- TOC entry 233 (class 1259 OID 16554)
-- Name: promotion; Type: TABLE; Schema: public; Owner: postgres
--

CREATE TABLE public.promotion (
    id_promotion integer NOT NULL,
    id_class integer NOT NULL,
    condition character varying(255) NOT NULL,
    date_start date NOT NULL,
    date_end date NOT NULL,
    prom_cost_per_day numeric(10,2) NOT NULL,
    amount integer,
    CONSTRAINT promotion_amount_check CHECK (((amount > 0) AND (
   amount < 100))),
    CONSTRAINT promotion_check CHECK ((date_start < date_end))
);


ALTER TABLE public.promotion OWNER TO postgres;

--
-- TOC entry 232 (class 1259 OID 16553)
-- Name: promotion_id_promotion_seq; Type: SEQUENCE; Schema: public;
    Owner: postgres
--
```

```
234
235 CREATE SEQUENCE public.promotion_id_promotion_seq
236     AS integer
237     START WITH 1
238     INCREMENT BY 1
239     NO MINVALUE
240     NO MAXVALUE
241     CACHE 1;
242
243
244 ALTER SEQUENCE public.promotion_id_promotion_seq OWNER TO postgres;
245
246 --
247 -- TOC entry 4949 (class 0 OID 0)
248 -- Dependencies: 232
249 -- Name: promotion_id_promotion_seq; Type: SEQUENCE OWNED BY; Schema
    : public; Owner: postgres
250 --
251
252 ALTER SEQUENCE public.promotion_id_promotion_seq OWNED BY public.
    promotion.id_promotion;
253
254
255 --
256 -- TOC entry 229 (class 1259 OID 16514)
257 -- Name: registration; Type: TABLE; Schema: public; Owner: postgres
258 --
259
260 CREATE TABLE public.registration (
261     id_reg integer NOT NULL,
262     id_client integer NOT NULL,
263     id_room integer NOT NULL,
264     id_executor integer NOT NULL,
265     is_archived boolean NOT NULL,
266     residence_address character varying(255) NOT NULL,
267     booking_date date NOT NULL,
268     arrival_date date NOT NULL,
269     departure_date date NOT NULL,
270     payment_method character varying(10) NOT NULL,
271     reg_status character varying(18) NOT NULL,
272     payment_status boolean NOT NULL,
273     CONSTRAINT registration_check CHECK ((booking_date <
    arrival_date)),
274     CONSTRAINT registration_check1 CHECK ((arrival_date <
    departure_date)),
275     CONSTRAINT registration_payment_method_check CHECK (((
```

```
    payment_method)::text = ANY ((ARRAY['card'::character varying, '
    cash'::character varying])::text[]))),
276     CONSTRAINT registration_reg_status_check CHECK (((reg_status)::
    text = ANY ((ARRAY['P·P°CЃPµP»PµPS'::character varying, '
    PIC<CЃPµP»PµPS'::character varying, 'P·P°P±CЂPsPSPëCЂPsPIP°PS'::
    character varying, 'PsC,PjPµPSPµPS'::character varying, '
    PsPïPsP·PrP°PSPëPµ'::character varying])::text[])))
277 );
278
279
280 ALTER TABLE public.registration OWNER TO postgres;
281
282 --
283 -- TOC entry 228 (class 1259 OID 16513)
284 -- Name: registration_id_reg_seq; Type: SEQUENCE; Schema: public;
    Owner: postgres
285 --
286
287 CREATE SEQUENCE public.registration_id_reg_seq
288     AS integer
289     START WITH 1
290     INCREMENT BY 1
291     NO MINVALUE
292     NO MAXVALUE
293     CACHE 1;
294
295
296 ALTER SEQUENCE public.registration_id_reg_seq OWNER TO postgres;
297
298 --
299 -- TOC entry 4950 (class 0 OID 0)
300 -- Dependencies: 228
301 -- Name: registration_id_reg_seq; Type: SEQUENCE OWNED BY; Schema:
    public; Owner: postgres
302 --
303
304 ALTER SEQUENCE public.registration_id_reg_seq OWNED BY public.
    registration.id_reg;
305
306
307 --
308 -- TOC entry 221 (class 1259 OID 16459)
309 -- Name: room; Type: TABLE; Schema: public; Owner: postgres
310 --
311
312 CREATE TABLE public.room (
```

```
    id_room integer NOT NULL,
    id_hotel integer NOT NULL,
    id_class integer NOT NULL,
    room_num integer NOT NULL,
    is_free boolean NOT NULL,
    is_clean boolean NOT NULL,
    CONSTRAINT room_room_num_check CHECK ((room_num > 0))
);


ALTER TABLE public.room OWNER TO postgres;

--
-- TOC entry 219 (class 1259 OID 16450)
-- Name: room_class; Type: TABLE; Schema: public; Owner: postgres
--

CREATE TABLE public.room_class (
    id_class integer NOT NULL,
    person_amount integer NOT NULL,
    class character varying(18) NOT NULL,
    room_left integer NOT NULL,
    isable_refund boolean NOT NULL,
    CONSTRAINT room_class_person_amount_check CHECK ((person_amount
   > 0)),
    CONSTRAINT room_class_room_left_check CHECK ((room_left >= 0))
);


ALTER TABLE public.room_class OWNER TO postgres;

--
-- TOC entry 218 (class 1259 OID 16449)
-- Name: room_class_id_class_seq; Type: SEQUENCE; Schema: public;
   Owner: postgres
--

CREATE SEQUENCE public.room_class_id_class_seq
    AS integer
    START WITH 1
    INCREMENT BY 1
    NO MINVALUE
    NO MAXVALUE
    CACHE 1;


```

```
357 ALTER SEQUENCE public.room_class_id_class_seq OWNER TO postgres;
358
359 --
360 -- TOC entry 4951 (class 0 OID 0)
361 -- Dependencies: 218
362 -- Name: room_class_id_class_seq; Type: SEQUENCE OWNED BY; Schema:
    public; Owner: postgres
363 --
364
365 ALTER SEQUENCE public.room_class_id_class_seq OWNED BY public.
    room_class.id_class;
366
367
368 --
369 -- TOC entry 220 (class 1259 OID 16458)
370 -- Name: room_id_room_seq; Type: SEQUENCE; Schema: public; Owner:
    postgres
371 --
372
373 CREATE SEQUENCE public.room_id_room_seq
374     AS integer
375     START WITH 1
376     INCREMENT BY 1
377     NO MINVALUE
378     NO MAXVALUE
379     CACHE 1;
380
381
382 ALTER SEQUENCE public.room_id_room_seq OWNER TO postgres;
383
384 --
385 -- TOC entry 4952 (class 0 OID 0)
386 -- Dependencies: 220
387 -- Name: room_id_room_seq; Type: SEQUENCE OWNED BY; Schema: public;
    Owner: postgres
388 --
389
390 ALTER SEQUENCE public.room_id_room_seq OWNED BY public.room.id_room;
391
392
393 --
394 -- TOC entry 223 (class 1259 OID 16477)
395 -- Name: workers; Type: TABLE; Schema: public; Owner: postgres
396 --
397
398 CREATE TABLE public.workers (
```

```
    id_executor integer NOT NULL,
    id_contract bigint NOT NULL,
    start_contract date NOT NULL,
    end_contract date NOT NULL,
    extras character varying(255),
    name character varying(255) NOT NULL,
    job character varying(255) NOT NULL,
    CONSTRAINT workers_check CHECK ((end_contract > start_contract))
);


ALTER TABLE public.workers OWNER TO postgres;

--
-- TOC entry 222 (class 1259 OID 16476)
-- Name: workers_id_executor_seq; Type: SEQUENCE; Schema: public;
   Owner: postgres
--

CREATE SEQUENCE public.workers_id_executor_seq
    AS integer
    START WITH 1
    INCREMENT BY 1
    NO MINVALUE
    NO MAXVALUE
    CACHE 1;


ALTER SEQUENCE public.workers_id_executor_seq OWNER TO postgres;

--
-- TOC entry 4953 (class 0 OID 0)
-- Dependencies: 222
-- Name: workers_id_executor_seq; Type: SEQUENCE OWNED BY; Schema:
   public; Owner: postgres
--

ALTER SEQUENCE public.workers_id_executor_seq OWNED BY public.
   workers.id_executor;


--
-- TOC entry 4733 (class 2604 OID 16490)
-- Name: cleaning id_clean; Type: DEFAULT; Schema: public; Owner:
   postgres
--
```

```
441
442 ALTER TABLE ONLY public.cleaning ALTER COLUMN id_clean SET DEFAULT
    nextval('public.cleaning_id_clean_seq'::regclass);
443
444
445 --
446 -- TOC entry 4734 (class 2604 OID 16507)
447 -- Name: client id_client; Type: DEFAULT; Schema: public; Owner:
    postgres
448 --
449
450 ALTER TABLE ONLY public.client ALTER COLUMN id_client SET DEFAULT
    nextval('public.client_id_client_seq'::regclass);
451
452
453 --
454 -- TOC entry 4736 (class 2604 OID 16543)
455 -- Name: cost_room_class cost_id; Type: DEFAULT; Schema: public;
    Owner: postgres
456 --
457
458 ALTER TABLE ONLY public.cost_room_class ALTER COLUMN cost_id SET
    DEFAULT nextval('public.cost_room_class_cost_id_seq'::regclass);
459
460
461 --
462 -- TOC entry 4729 (class 2604 OID 16444)
463 -- Name: hotel id_hotel; Type: DEFAULT; Schema: public; Owner:
    postgres
464 --
465
466 ALTER TABLE ONLY public.hotel ALTER COLUMN id_hotel SET DEFAULT
    nextval('public.hotel_id_hotel_seq'::regclass);
467
468
469 --
470 -- TOC entry 4737 (class 2604 OID 16557)
471 -- Name: promotion id_promotion; Type: DEFAULT; Schema: public;
    Owner: postgres
472 --
473
474 ALTER TABLE ONLY public.promotion ALTER COLUMN id_promotion SET
    DEFAULT nextval('public.promotion_id_promotion_seq'::regclass);
475
476
477 --
```

```
478 -- TOC entry 4735 (class 2604 OID 16517)
479 -- Name: registration id_reg; Type: DEFAULT; Schema: public; Owner:
    postgres
480 --
481
482 ALTER TABLE ONLY public.registration ALTER COLUMN id_reg SET DEFAULT
     nextval('public.registration_id_reg_seq'::regclass);
483
484
485 --
486 -- TOC entry 4731 (class 2604 OID 16462)
487 -- Name: room id_room; Type: DEFAULT; Schema: public; Owner:
    postgres
488 --
489
490 ALTER TABLE ONLY public.room ALTER COLUMN id_room SET DEFAULT
    nextval('public.room_id_room_seq'::regclass);
491
492
493 --
494 -- TOC entry 4730 (class 2604 OID 16453)
495 -- Name: room_class id_class; Type: DEFAULT; Schema: public; Owner:
    postgres
496 --
497
498 ALTER TABLE ONLY public.room_class ALTER COLUMN id_class SET DEFAULT
     nextval('public.room_class_id_class_seq'::regclass);
499
500
501 --
502 -- TOC entry 4732 (class 2604 OID 16480)
503 -- Name: workers id_executor; Type: DEFAULT; Schema: public; Owner:
    postgres
504 --
505
506 ALTER TABLE ONLY public.workers ALTER COLUMN id_executor SET DEFAULT
     nextval('public.workers_id_executor_seq'::regclass);
507
508
509 --
510 -- TOC entry 4930 (class 0 OID 16487)
511 -- Dependencies: 225
512 -- Data for Name: cleaning; Type: TABLE DATA; Schema: public; Owner:
     postgres
513 --
514
```

```
COPY public.cleaning (id_clean, id_room, scheduled_date, is_done, id_executor) FROM stdin;
1 1 2024-01-18  f 1
2 2 2024-01-19  t 2
\.


--
-- TOC entry 4932 (class 0 OID 16504)
-- Dependencies: 227
-- Data for Name: client; Type: TABLE DATA; Schema: public; Owner: postgres
--

COPY public.client (id_client, first_name, last_name, passport_id, phone, email, residence_address) FROM stdin;
1 Alex  Johnson 12345678  9876543210  alex.johnson@email.com  123 Main St
2 Emma  Williams  87654321  1234567890  emma.williams@email.com 456 Elm St
\.


--
-- TOC entry 4936 (class 0 OID 16540)
-- Dependencies: 231
-- Data for Name: cost_room_class; Type: TABLE DATA; Schema: public; Owner: postgres
--

COPY public.cost_room_class (cost_id, date_start, date_end, cost_per_day, id_class) FROM stdin;
1 2024-01-01  2024-06-30  50.00 1
2 2024-07-01  2024-12-31  55.00 2
\.


--
-- TOC entry 4922 (class 0 OID 16441)
-- Dependencies: 217
-- Data for Name: hotel; Type: TABLE DATA; Schema: public; Owner: postgres
--

COPY public.hotel (id_hotel, name, address, rating) FROM stdin;
1 Hotel Sunrise 123 Sunny Street  5
```

```
2 Hotel Moonlight 456 Moon Street 4
3 Hotel Starlight 789 Star Road 3
\.


--
-- TOC entry 4938 (class 0 OID 16554)
-- Dependencies: 233
-- Data for Name: promotion; Type: TABLE DATA; Schema: public; Owner
   : postgres
--

COPY public.promotion (id_promotion, id_class, condition, date_start
   , date_end, prom_cost_per_day, amount) FROM stdin;
1 1 Summer Discount 2024-06-01  2024-08-31  45.00 10
2 2 Winter Special  2024-12-01  2024-12-31  40.00 20
\.


--
-- TOC entry 4934 (class 0 OID 16514)
-- Dependencies: 229
-- Data for Name: registration; Type: TABLE DATA; Schema: public;
   Owner: postgres
--

COPY public.registration (id_reg, id_client, id_room, id_executor,
   is_archived, residence_address, booking_date, arrival_date,
   departure_date, payment_method, reg_status, payment_status) FROM
   stdin;
1 1 1 1 f 123 Main St 2024-01-10  2024-01-15  2024-01-20  card
   P·P°CЃPµP»PµPS  t
2 2 2 2 f 456 Elm St  2024-02-10  2024-02-15  2024-02-20  cash
   P·P°P±CЂPsPSPëCЂPsPIP°PS  f
\.


--
-- TOC entry 4926 (class 0 OID 16459)
-- Dependencies: 221
-- Data for Name: room; Type: TABLE DATA; Schema: public; Owner:
   postgres
--

COPY public.room (id_room, id_hotel, id_class, room_num, is_free,
   is_clean) FROM stdin;
```

```
1 1 1 101 t t
2 1 2 102 f t
3 2 3 201 t f
\.


--
-- TOC entry 4924 (class 0 OID 16450)
-- Dependencies: 219
-- Data for Name: room_class; Type: TABLE DATA; Schema: public;
   Owner: postgres
--

COPY public.room_class (id_class, person_amount, class, room_left,
   isable_refund) FROM stdin;
1 2 Economy 10  t
2 2 Deluxe  5 f
3 4 Family  3 t
\.


--
-- TOC entry 4928 (class 0 OID 16477)
-- Dependencies: 223
-- Data for Name: workers; Type: TABLE DATA; Schema: public; Owner:
   postgres
--

COPY public.workers (id_executor, id_contract, start_contract,
   end_contract, extras, name, job) FROM stdin;
1 123 2024-01-01  2024-12-31  Experienced in international cuisine
   John Doe  Chef
2 124 2024-02-01  2024-11-30  Expert in housekeeping  Jane Smith
   Housekeeper
\.


--
-- TOC entry 4954 (class 0 OID 0)
-- Dependencies: 224
-- Name: cleaning_id_clean_seq; Type: SEQUENCE SET; Schema: public;
   Owner: postgres
--

SELECT pg_catalog.setval('public.cleaning_id_clean_seq', 2, true);

```

```
628
629 --
630 -- TOC entry 4955 (class 0 OID 0)
631 -- Dependencies: 226
632 -- Name: client_id_client_seq; Type: SEQUENCE SET; Schema: public;
    Owner: postgres
633 --
634
635 SELECT pg_catalog.setval('public.client_id_client_seq', 2, true);
636
637
638 --
639 -- TOC entry 4956 (class 0 OID 0)
640 -- Dependencies: 230
641 -- Name: cost_room_class_cost_id_seq; Type: SEQUENCE SET; Schema:
    public; Owner: postgres
642 --
643
644 SELECT pg_catalog.setval('public.cost_room_class_cost_id_seq', 2,
    true);
645
646
647 --
648 -- TOC entry 4957 (class 0 OID 0)
649 -- Dependencies: 216
650 -- Name: hotel_id_hotel_seq; Type: SEQUENCE SET; Schema: public;
    Owner: postgres
651 --
652
653 SELECT pg_catalog.setval('public.hotel_id_hotel_seq', 3, true);
654
655
656 --
657 -- TOC entry 4958 (class 0 OID 0)
658 -- Dependencies: 232
659 -- Name: promotion_id_promotion_seq; Type: SEQUENCE SET; Schema:
    public; Owner: postgres
660 --
661
662 SELECT pg_catalog.setval('public.promotion_id_promotion_seq', 2,
    true);
663
664
665 --
666 -- TOC entry 4959 (class 0 OID 0)
667 -- Dependencies: 228
```

```
668 -- Name: registration_id_reg_seq; Type: SEQUENCE SET; Schema: public
    ; Owner: postgres
669 --
670
671 SELECT pg_catalog.setval('public.registration_id_reg_seq', 2, true);
672
673
674 --
675 -- TOC entry 4960 (class 0 OID 0)
676 -- Dependencies: 218
677 -- Name: room_class_id_class_seq; Type: SEQUENCE SET; Schema: public
    ; Owner: postgres
678 --
679
680 SELECT pg_catalog.setval('public.room_class_id_class_seq', 3, true);
681
682
683 --
684 -- TOC entry 4961 (class 0 OID 0)
685 -- Dependencies: 220
686 -- Name: room_id_room_seq; Type: SEQUENCE SET; Schema: public; Owner
    : postgres
687 --
688
689 SELECT pg_catalog.setval('public.room_id_room_seq', 3, true);
690
691
692 --
693 -- TOC entry 4962 (class 0 OID 0)
694 -- Dependencies: 222
695 -- Name: workers_id_executor_seq; Type: SEQUENCE SET; Schema: public
    ; Owner: postgres
696 --
697
698 SELECT pg_catalog.setval('public.workers_id_executor_seq', 2, true);
699
700
701 --
702 -- TOC entry 4760 (class 2606 OID 16492)
703 -- Name: cleaning cleaning_pkey; Type: CONSTRAINT; Schema: public;
    Owner: postgres
704 --
705
706 ALTER TABLE ONLY public.cleaning
707     ADD CONSTRAINT cleaning_pkey PRIMARY KEY (id_clean);
708
```

```
709
710 --
711 -- TOC entry 4762 (class 2606 OID 16512)
712 -- Name: client client_pkey; Type: CONSTRAINT; Schema: public; Owner
    : postgres
713 --
714
715 ALTER TABLE ONLY public.client
716     ADD CONSTRAINT client_pkey PRIMARY KEY (id_client);
717
718
719 --
720 -- TOC entry 4766 (class 2606 OID 16547)
721 -- Name: cost_room_class cost_room_class_pkey; Type: CONSTRAINT;
    Schema: public; Owner: postgres
722 --
723
724 ALTER TABLE ONLY public.cost_room_class
725     ADD CONSTRAINT cost_room_class_pkey PRIMARY KEY (cost_id);
726
727
728 --
729 -- TOC entry 4752 (class 2606 OID 16448)
730 -- Name: hotel hotel_pkey; Type: CONSTRAINT; Schema: public; Owner:
    postgres
731 --
732
733 ALTER TABLE ONLY public.hotel
734     ADD CONSTRAINT hotel_pkey PRIMARY KEY (id_hotel);
735
736
737 --
738 -- TOC entry 4768 (class 2606 OID 16561)
739 -- Name: promotion promotion_pkey; Type: CONSTRAINT; Schema: public;
     Owner: postgres
740 --
741
742 ALTER TABLE ONLY public.promotion
743     ADD CONSTRAINT promotion_pkey PRIMARY KEY (id_promotion);
744
745
746 --
747 -- TOC entry 4764 (class 2606 OID 16523)
748 -- Name: registration registration_pkey; Type: CONSTRAINT; Schema:
    public; Owner: postgres
749 --
```

```
750
751 ALTER TABLE ONLY public.registration
752     ADD CONSTRAINT registration_pkey PRIMARY KEY (id_reg);
753
754
755 --
756 -- TOC entry 4754 (class 2606 OID 16457)
757 -- Name: room_class room_class_pkey; Type: CONSTRAINT; Schema:
    public; Owner: postgres
758 --
759
760 ALTER TABLE ONLY public.room_class
761     ADD CONSTRAINT room_class_pkey PRIMARY KEY (id_class);
762
763
764 --
765 -- TOC entry 4756 (class 2606 OID 16465)
766 -- Name: room room_pkey; Type: CONSTRAINT; Schema: public; Owner:
    postgres
767 --
768
769 ALTER TABLE ONLY public.room
770     ADD CONSTRAINT room_pkey PRIMARY KEY (id_room);
771
772
773 --
774 -- TOC entry 4758 (class 2606 OID 16485)
775 -- Name: workers workers_pkey; Type: CONSTRAINT; Schema: public;
    Owner: postgres
776 --
777
778 ALTER TABLE ONLY public.workers
779     ADD CONSTRAINT workers_pkey PRIMARY KEY (id_executor);
780
781
782 --
783 -- TOC entry 4771 (class 2606 OID 16498)
784 -- Name: cleaning cleaning_id_executor_fkey; Type: FK CONSTRAINT;
    Schema: public; Owner: postgres
785 --
786
787 ALTER TABLE ONLY public.cleaning
788     ADD CONSTRAINT cleaning_id_executor_fkey FOREIGN KEY (
    id_executor) REFERENCES public.workers(id_executor);
789
790
```

```
--
-- TOC entry 4772 (class 2606 OID 16493)
-- Name: cleaning cleaning_id_room_fkey; Type: FK CONSTRAINT; Schema
   : public; Owner: postgres
--

ALTER TABLE ONLY public.cleaning
    ADD CONSTRAINT cleaning_id_room_fkey FOREIGN KEY (id_room)
   REFERENCES public.room(id_room);


--
-- TOC entry 4776 (class 2606 OID 16548)
-- Name: cost_room_class cost_room_class_id_class_fkey; Type: FK
   CONSTRAINT; Schema: public; Owner: postgres
--

ALTER TABLE ONLY public.cost_room_class
    ADD CONSTRAINT cost_room_class_id_class_fkey FOREIGN KEY (
   id_class) REFERENCES public.room_class(id_class);


--
-- TOC entry 4777 (class 2606 OID 16562)
-- Name: promotion promotion_id_class_fkey; Type: FK CONSTRAINT;
   Schema: public; Owner: postgres
--

ALTER TABLE ONLY public.promotion
    ADD CONSTRAINT promotion_id_class_fkey FOREIGN KEY (id_class)
   REFERENCES public.room_class(id_class);


--
-- TOC entry 4773 (class 2606 OID 16524)
-- Name: registration registration_id_client_fkey; Type: FK
   CONSTRAINT; Schema: public; Owner: postgres
--

ALTER TABLE ONLY public.registration
    ADD CONSTRAINT registration_id_client_fkey FOREIGN KEY (
   id_client) REFERENCES public.client(id_client);


--
-- TOC entry 4774 (class 2606 OID 16534)
```

```
-- Name: registration registration_id_executor_fkey; Type: FK CONSTRAINT; Schema: public; Owner: postgres
--

ALTER TABLE ONLY public.registration
    ADD CONSTRAINT registration_id_executor_fkey FOREIGN KEY (id_executor) REFERENCES public.workers(id_executor);


--
-- TOC entry 4775 (class 2606 OID 16529)
-- Name: registration registration_id_room_fkey; Type: FK CONSTRAINT; Schema: public; Owner: postgres
--

ALTER TABLE ONLY public.registration
    ADD CONSTRAINT registration_id_room_fkey FOREIGN KEY (id_room) REFERENCES public.room(id_room);


--
-- TOC entry 4769 (class 2606 OID 16471)
-- Name: room room_id_class_fkey; Type: FK CONSTRAINT; Schema: public; Owner: postgres
--

ALTER TABLE ONLY public.room
    ADD CONSTRAINT room_id_class_fkey FOREIGN KEY (id_class) REFERENCES public.room_class(id_class);


--
-- TOC entry 4770 (class 2606 OID 16466)
-- Name: room room_id_hotel_fkey; Type: FK CONSTRAINT; Schema: public; Owner: postgres
--

ALTER TABLE ONLY public.room
    ADD CONSTRAINT room_id_hotel_fkey FOREIGN KEY (id_hotel) REFERENCES public.hotel(id_hotel);


-- Completed on 2024-01-18 02:12:12

--
-- PostgreSQL database dump complete
```

```
867 --
```