

Задание №1

```
SELECT *  
FROM (  
    SELECT airport_code FROM airports_data  
    WHERE timezone = 'Europe/Moscow'  
    UNION ALL  
    SELECT departure_airport FROM flights  
    WHERE aircraft_code IN (SELECT aircraft_code  
                            FROM aircrafts_data  
                            WHERE range BETWEEN 5650 AND 10000)  
) as alias ORDER BY airport_code DESC;
```

	airport_code
1	YKS
2	YKS
3	YKS
4	YKS
5	YKS
6	YKS
7	YKS
8	YKS
9	YKS
10	YKS
11	YKS
12	YKS
13	YKS
14	YKS
15	YKS
16	YKS
17	YKS

	airport_code
2484	ABA
2485	ABA
2486	ABA
2487	ABA
2488	ABA
2489	ABA
2490	ABA
2491	ABA
2492	ABA
2493	ABA
2494	ABA
2495	ABA
2496	ABA
2497	ABA
2498	ABA
2499	ABA
2500	ABA
2501	ABA
2502	ABA
2503	ABA
2504	AAQ

Задание №2

```
SELECT aircraft_code, seat_no FROM seats  
WHERE fare_conditions = 'Economy'  
ORDER BY seat_no  
LIMIT 20 OFFSET 100;
```

	aircraft_code	seat_no
1	763	13A
2	733	13A
3	321	13A
4	320	13A
5	SU9	13A
6	763	13B
7	320	13B
8	319	13B
9	733	13B
10	321	13B
11	321	13C
12	320	13C
13	319	13C
14	733	13C
15	SU9	13C
16	733	13D
17	763	13D
18	320	13D
19	319	13D
20	321	13D

Задание №3

```
SELECT timezone, COUNT(airport_code) AS count_of_arrival_airports FROM
airports_data
WHERE airport_code IN (SELECT DISTINCT arrival_airport FROM flights)
GROUP BY timezone
ORDER BY count_of_arrival_airports DESC;
```

	timezone	count_of_arrival_airports
1	Europe/Moscow	44
2	Asia/Yekaterinburg	22
3	Asia/Krasnoyarsk	8
4	Asia/Irkutsk	5
5	Asia/Yakutsk	5
6	Europe/Samara	5
7	Asia/Vladivostok	3
8	Asia/Novokuznetsk	2
9	Europe/Volgograd	2
10	Asia/Omsk	1
11	Asia/Chita	1
12	Asia/Kamchatka	1
13	Asia/Magadan	1
14	Asia/Novosibirsk	1
15	Asia/Anadyr	1
16	Asia/Sakhalin	1
17	Europe/Kaliningrad	1

Задание №4

```
SELECT greatest_airport, least_airport FROM
(SELECT
GREATEST(departure_airport, arrival_airport) AS greatest_airport,
LEAST(departure_airport, arrival_airport) AS least_airport
FROM flights) as pairs
GROUP BY greatest_airport, least_airport;
```

	greatest_airport	least_airport			
1	URS	KUF	290	URS	DME
2	NOZ	KRR	291	VKO	GDZ
3	NYM	NSK	292	ULY	NJC
4	REN	ESL	293	GOJ	AER
5	PYJ	OVV	294	LED	DME
6	KRR	JOK	295	VVO	IKT
7	CNN	ASF	296	VKO	PES
8	SGC	IKT	297	UFA	ESL
9	PEZ	DME	298	VKT	LED
10	VKO	MQF	299	VGG	TOF
11	SV0	PES	300	SWT	CEK
12	SV0	AAQ	301	KRR	KGD
13	URJ	TJM	302	VVO	KHV
14	DME	ABA	303	NYM	DME
15	KGP	AER	304	UIK	KHV
16	VOZ	LED	305	TOF	NOZ
17	VOZ	DME	306	MCX	KZN
18	OVV	NOZ	307	SV0	KJA
			308	STW	RGK
			309	EG0	BZK

Результат применения dump-a:

```
Windows PowerShell
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Попробуйте новую кроссплатформенную оболочку PowerShell (https://aka.ms/pscore6)

PS C:\Users\Rasim> psql -h localhost -p 5432 -U postgres -W -f C:\Users\Rasim\Downloads\demo-small-20170815.sql
Пароль:
SET
SET
SET
SET
SET
SET
SET
SET
SET
psql:C:\Users\Rasim\Downloads\demo-small-20170815.sql:17: P?P?P?P?P?P?: P+P?P.P? P?P?P?P?C<C: "demo" P?P4 C?C?C?P4C?C?P?C?P4C'
CREATE DATABASE
Пароль:
Вы подключены к базе данных "demo" как пользователь "postgres".
SET
SET
SET
SET
SET
SET
SET
SET
CREATE SCHEMA
COMMENT
CREATE EXTENSION
COMMENT
SET
CREATE FUNCTION
CREATE FUNCTION
COMMENT
SET
SET
CREATE TABLE
COMMENT
COMMENT
COMMENT
COMMENT
CREATE VIEW
COMMENT
```

```
COMMENT
ALTER TABLE
COPY 9
COPY 104
COPY 579686
COPY 262788
COPY 33121
```

Текущая кодовая страница: 1251

```
setval
```

```
-----
```

```
33121
```

(1 строка)

```
COPY 1339
```

```
COPY 1045726
```

```
COPY 366733
```

```
ALTER TABLE
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ALTER TABLE
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ALTER TABLE
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ALTER TABLE
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ALTER DATABASE
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ALTER DATABASE
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```
PS C:\Users\Rasim>
```