### Задание 4.1

select city, count(distinct airport\_code) as airport\_count

from dst\_project.airports

group by city

order by airport\_count desc

### Задание 4.2

1

select count(distinct status)

from dst\_project.flights

2

select count(distinct flight\_id)

from dst\_project.flights

where status='Departed'

3

select a.aircraft\_code, count(distinct s.seat\_no)

from dst\_project.aircrafts a join dst\_project.seats s on a.aircraft\_code = s.aircraft\_code

where a.model='Boeing 777-300'

group by a.aircraft\_code

4

select count(distinct flight\_id)

from dst\_project.flights\_v

where actual\_arrival between '2017-04-01' and '2017-09-01' and status ='Arrived'

### Задание 4.3

1

select count(distinct flight\_id)

from dst\_project.flights\_v

where status ='Cancelled'

2

select

count(distinct model)

from

dst\_project.aircrafts

where model like 'Boeing%' / ‘Sukhoi%’ / ‘Airbus%’

3

select timezone like 'Asia%' as Asia, timezone like 'Europe%' as Europe, count(distinct airport\_code) from dst\_project.airports

group by timezone like 'Asia%', timezone like 'Europe%'

4

select flight\_id

from dst\_project.flights\_v

where status='Arrived'

order by (actual\_arrival-scheduled\_arrival) desc

limit 1

### Задание 4.4

1

select scheduled\_departure

from dst\_project.flights

order by scheduled\_departure

limit 1

2

select extract(hour from scheduled\_duration)\*60+extract(minute from scheduled\_duration)

from dst\_project.flights\_v

order by scheduled\_duration desc

limit 1

3

select departure\_airport, arrival\_airport

from dst\_project.flights\_v

where status='Scheduled'

order by scheduled\_duration desc

limit 1

4

select avg(extract(hour from actual\_duration)\*60+extract(minute from actual\_duration))::int

from dst\_project.flights\_v

where actual\_duration is not null

### Задание 4.5

1

select s.fare\_conditions

from dst\_project.seats s

join dst\_project.aircrafts a on s.aircraft\_code = a.aircraft\_code

group by a.aircraft\_code, s.fare\_conditions

having a.aircraft\_code='SU9'

order by count(distinct s.seat\_no) desc

limit 1

2

select total\_amount

from dst\_project.bookings

order by total\_amount

limit 1

3

select b.seat\_no

from dst\_project.boarding\_passes b

join dst\_project.tickets t on b.ticket\_no = t.ticket\_no

where t.passenger\_id = '4313 788533'

### Задание 5.1

1

select count(flight\_id) from dst\_project.flights\_v

where arrival\_city = 'Анапа' and actual\_arrival between '2017-01-01' and '2017-12-31'

2

select count(flight\_id) from dst\_project.flights\_v

where departure\_city = 'Анапа' and ((actual\_departure between '2017-12-01' and '2018-01-01') or (actual\_departure between '2017-01-01' and '2017-03-01'))

3

select count(flight\_id) from dst\_project.flights\_v

where departure\_city = 'Анапа' and status='Cancelled'

4

select count(distinct flight\_id) from dst\_project.flights\_v

where departure\_city = 'Анапа' and arrival\_city != 'Москва'

5

select

a.model

from

dst\_project.flights\_v f

join dst\_project.aircrafts a on f.aircraft\_code = a.aircraft\_code

join dst\_project.seats s on f.aircraft\_code = s.aircraft\_code

where f.departure\_city = 'Анапа'

group by a.model, f.aircraft\_code

order by count(s.seat\_no) desc

limit 1